



*Louisiana*

# LAHIDD Report

1998-2000

Department of  
Health and Hospitals

Office of  
Public Health

State Center  
for Health Statistics

State Health Care  
Data Clearinghouse

**Hospital  
Inpatient  
Discharge  
Data**



# **Louisiana Hospital Inpatient Discharge Database (LAHIDD) Report 1998 – 2000**

Louisiana Department of Health and Hospitals  
Office of Public Health  
State Center for Health Statistics  
State Health Care Data Clearinghouse

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A special thank you to the hospitals that contributed data for this report.



STATE OF LOUISIANA  
DEPARTMENT OF HEALTH AND HOSPITALS



May 14, 2003

Dear Citizens of Louisiana:

On behalf of the Louisiana Department of Health and Hospitals' Office of Public Health, I am proud to present the first annual 1998-2000 Louisiana Inpatient Discharge Database report (LAHIDD). LAHIDD is Louisiana's only comprehensive population-based repository for hospital-inpatient data.

The LAHIDD report provides a unique source of data to describe hospital discharge trends and identify at-risk populations with the State of Louisiana. It contains information on patient demographics, diagnoses, procedures, hospitals charges and costs. Data is presented at parish and state level, along with comparable U.S. morbidity statistics.

We hope that this report will prompt discussion on measures and policies which will improve the health status of Louisiana's residents. The LAHIDD report is also available for review on the Office of Public Health's web site at [www.oph.state.la.us](http://www.oph.state.la.us). We gladly welcome your feedback.

Sincerely,

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# BACKGROUND

Acts No. 622; 1997 of the Louisiana Legislature established the STATE HEALTH CARE DATA CLEARINGHOUSE in the State Center for Health Statistics and charged it with the responsibility for the collection of data related to the health care issues. It specifically designates THE CLEARINGHOUSE as the site for the creation of population-based health care data sets. This information is expected to offer Louisiana and its health care providers their first opportunity to plan and operate systematic intervention strategies that address the antecedents of death.

In prioritizing the mandates of the CLEARINGHOUSE, the OFFICE OF PUBLIC HEALTH (OPH) OF THE LOUISIANA DEPARTMENT OF HEALTH AND HOSPITALS considered the various health information data streams already in existence and the data collection experiences of 36 other states. It was determined that Louisiana would benefit the most by focusing its initial data collection efforts on hospital inpatient discharge data. As a result, the Louisiana Hospital Inpatient Discharge Database (LAHIDD) was designated as the data depository for inpatient discharge data submitted to OPH by hospitals within the state.

## History of LAHIDD

The development of LAHIDD involved public and private stakeholders and was completed in the fall of 1998. The following three milestones depict the legislative history of the project:

- ◆ State Data Clearinghouse Law passed in May 1997
- ◆ Rules Committee formed in November 1997
- ◆ Rules published in July 1998

An extensive survey of all hospitals in the state to identify their database systems and their discharge data submission capacities was conducted from late 1997 to early 1998. As a result of this survey, a comprehensive submittal guide was created and mailed out to hospitals in October of 1998. By December, hospitals began submitting data for discharges occurring between January and June 1998. By December 2000, the State Center for Health Statistics has received twelve quarterly data submissions from hospitals. This report presents data submitted semi-annually during 1998, and quarterly thereafter, from January 1999 through December 2000.

## Purpose of LAHIDD

LAHIDD exemplifies the commitment of OPH to the practice of good public health by expanding the state's ability to carry out its three Core Public Health Functions:

- Assessment of community health status and resources.
- Assurance of the availability and provision of necessary, high quality, effective services.
- Development of a health policy that accurately addresses community needs.

The LAHIDD data will help OPH accomplish its functions by:

◆ Enhancing Disease Surveillance and Reporting

LAHIDD provides a unique resource for the investigation of the progression of morbidity in the population and helps to identify at-risk populations within the community. LAHIDD data can be enriched through linkage to other OPH databases and can be further enhanced by information gathered by the state's other surveillance programs (e.g. Injury Prevention, Behavioral Risk Factor Surveillance). Linking LAHIDD data to these other population based databases will enable the development of effective prevention policies targeted to at-risk populations. For programs such as Tuberculosis (TB) and Human Immunodeficiency Virus (HIV), this data can be used to track patient treatment and to evaluate the completeness of programmatic surveillance.

◆ Assessing Health Care Utilization

Nationally, and in Louisiana, health care costs are rising and there are shortages of health care professionals. This makes it essential that patients, health care professionals, hospitals, and third party payers have the necessary information to:

- realistically evaluate health care needs, as well as to
- identify the appropriate and efficient utilization of health services.

Ultimately, the evaluation of needs and the identification of appropriate and efficient utilization of health services requires an understanding of:

- the patterns and trends in the availability, utilization, and costs of health care services
- and the underlying patterns of disease that necessitate these services.

The Louisiana Hospital Inpatient Discharge Database provides information needed to make these determinations and is Louisiana's only comprehensive, population-based repository of hospital inpatient data. LAHIDD contains the information needed to measure and evaluate morbidity and hospital charges associated with inpatient stays in the state. It also contains information on the diagnoses of those treated, the procedures performed, and the hospital charges for these procedures.

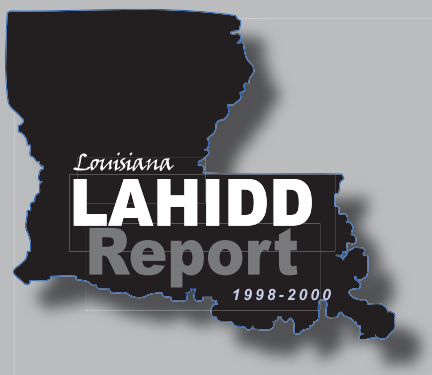
The detailed information available in this data set enables the state to identify populations in need of better access to health care and health education as well as to assess these needs by geographical areas. While maintaining LAHIDD confidentiality restrictions, identification of health care needs can be accomplished by tracking:

- The utilization of hospital care in reference to specific diagnoses and procedures done in targeted populations and geographic areas
- The hospital charges for services provided to targeted populations in specific geographic areas.

It is the intent of OPH to provide the above information in a clear and efficient manner, as the agency moves closer to understanding the morbidity issues facing the state's citizens.







# Hospital Inpatient Discharge Data



# STATE SUMMARY 1998 ~ 2000

## State Summary 1998-2000

This section summarizes information gathered from patients hospitalized and discharged from Louisiana licensed hospitals for 1998-2000. Data were consolidated and presented by patient and disease characteristics. Health care facilities include acute care, long-term care, psychiatric, rehabilitation, and specialty hospitals.

The data submission rate, expressed as the relationship between the number of beds in participating hospitals to the total number of beds in Louisiana, shows the highest submissions rate in 2000 (68%) and the lowest rate in 1999 (64%). The data submission rate for 1998 was 65%.

**Patients between 18 and 44 years of age accounted for most hospital stays in Louisiana for the period 1998-2000 (Chart 1a, page 6).** Those aged 65-84 years old followed closely at slightly lower percentages for the three-year period.

Hospital discharge data for 1998-2000 show that women accounted for more discharges than men (Chart 1b, page 6). Nearly two-thirds of all admissions are for birth or routine procedures, while over one third were for emergency-room services (Chart 1c, page 7). The total number of discharges for each month varies throughout each year. The monthly average count of discharges during the three-year period was 40,411 (Chart 1d, page 7).

**The principal diagnoses for hospitalizations are shown in Tables 1, 2a-2c, and 3a-3g.** The most common diagnosis for hospitalization during the three-year period was “live birth” of an infant. In the years 1998 and 1999, “pneumonia”\* ranked second as the principal diagnosis of hospital discharges. In the year 2000, “pneumonia”\* was surpassed by “coronary atherosclerosis and other heart disease” as the second ranking principal diagnosis. In 1998 and 1999, “coronary atherosclerosis and other heart disease” had ranked third (Table 1, page 8).

The single leading diagnosis classified by body systems which resulted in hospitalization was “diseases of the circulatory system”. This accounted for approximately 19% of all discharges for the period 1998-2000. “Complications of pregnancy, childbirth and the puerperium” ranked second (at approximately 13%), while “diseases of the respiratory system” accounted for approximately 11% of discharges in the three year period (Tables 2a-2c, page 9).

**For the year 2000, the principal diagnoses for discharges by age are depicted in Tables 3a-3g, pages 10-11:**

- The most common principal diagnosis for children under one year of age was “live born”. The total number of “live born” discharges was 38,785. The second most common principal diagnosis was “acute bronchitis”, followed by “pneumonia”\*.
- Among patients aged 1-12 years, “asthma”, “pneumonia”\*, and “fluid and electrolyte disorders” were the top ranking diagnoses in that order.
- For persons aged 13-17 years, the most common diagnoses were related to “affective disorders”, followed by delivery related diagnoses.
- For persons aged 18-44 years the three most common principal diagnoses were “other complications of birth and the puerperium”, “other complications of pregnancy” and “normal pregnancy and/or delivery”.
- For persons aged 45-84 years “coronary atherosclerosis”, “non-hypertensive congestive heart failure” and “pneumonia”\* were among the top five diagnoses.

\* Except that caused by tuberculosis or STDs

Co-morbidities are defined as coexisting medical problems that are not identified as the main reason for the hospital stay. Discharges with co-morbidities are illustrated in *Chart 2 and Tables 4-5, pages 13-14*. Over 81% of all hospitalized patients from 1998-2000 had at least one co-morbidity and over half of all patients had three or more co-morbidities. During this three-year period, “essential hypertension” was the single most commonly found co-morbidity, at approximately 6.0% each year. “Coronary atherosclerosis and other heart disease” (5.5%) and “fluid and electrolyte disorders” (4.0%) ranked second and third respectively. **Co-morbidities by age group are listed in Table 5, page 14.**

**Principal diagnoses of patients admitted through the Emergency Room (ER) from 1998-2000 in Louisiana are shown in Tables 6 and 7, pages 15-16.** At least five of the top 10 diagnoses for which patients were admitted to the hospital through the ER were related to heart problems. Two of the top 10 diagnoses were related to respiratory problems. Over 6% of all admissions to the hospital through the ER were due to “pneumonia”\*. Two of the top 10 diagnoses for 1998-2000 were infections: “pneumonia”\* and “urinary tract infection”.

Table 7 reports the top 10 principal diagnoses in patients admitted through the ER by age group in the year 2000:

- For persons over 45 years old, diagnoses related to two chronic conditions were among the top 10 principal diagnoses: “nonhypertensive congestive heart failure”, and “coronary atherosclerosis and other heart disease”. For age groups under 45, these diagnoses did not appear among the top 10 diagnoses for admission through the ER.
- Patients aged 18-44 years were most commonly admitted through the ER with “non-specific chest pains”.
- “Appendicitis and other appendiceal diagnoses” were the most frequent diagnoses for admission through the ER for those aged 13-17 years.
- The infectious disease diagnoses of “acute bronchitis”, “intestinal infections”, “viral infections” and “other upper respiratory infections” appear among the top 10 principal ER admission diagnoses for the under 12 years age groups. They are not found in the top 10 for other age groups.
- “Asthma” was the most common principal diagnosis for patients aged 1-12 years who were admitted through the ER.

Table 8, page 17 lists the top 10 principal procedures in Louisiana for the years 1998-2000. During the period of 1998-2000, 6 of the top 10 principal procedures were related to pregnancy and childbirth. An average of 5.6% of all procedures was caesarean section. Two of the top 10 procedures during this period were related to heart conditions.

**Principal diagnoses with the highest average monetary charges per stay, and the longest average lengths of stay are illustrated in Table 9, page 18 and Table 11, page 20.** In 1998 and 2000 diagnoses related to newly born infants (i.e., “short gestation, low birth weight and fetal growth retardation”) were among the top three most expensive diagnoses treated in Louisiana hospitals on a charges per stay basis (*Table 9*). **Hospitals charged an average** of \$48,903 per stay for these diagnoses in 1998, and \$54,480 per stay in 2000. For both years these diagnoses had the longest average hospital stay. They were 21 days in both 1998 and 2000. In 1999, “Spinal cord injury” was the most expensive condition treated in Louisiana hospitals, with average charges of \$49,111 and average hospital stays of 15 days. At least three of the top 10 most expensive diagnoses treated during these three years were related to the care of infants (i.e. “short gestation, low birth weight and fetal growth retardation”, “other central nervous system infection and poliomyelitis”, “respiratory distress syndrome”, “cardiac and circulatory congenital anomalies”, “intrauterine hypoxia and birth asphyxia”). Six of the top 10 most costly diagnoses also had the longest lengths of stays in hospitals during this time period.

\* Except that caused by tuberculosis or STDs

The least expensive diagnoses on a per discharge basis, and those with the shortest average hospital stays are depicted in *Table 10, page 19*. Overall, “medical examinations or evaluations” had the lowest average charges in 1998 and 1999, with an average hospital stay of two days. Among diagnoses with the lowest average charges, there were at least four related to pregnancy and perinatal conditions during each year of 1998-2000.

The Medicare and Medicaid programs combined, were billed for at least half of all hospital stays in Louisiana, at 49% in 1998, 51% in 1999 and 53% in 2000 (*Chart 3a, page 21*). Medicare was billed for approximately one-third of all hospital stays in this three-year period. The three most prominent diagnoses for which Medicare was charged during this period were “Congestive heart failure”, “pneumonia”\*, and “coronary atherosclerosis and other heart disease” (*Table 12, page 22*). Private insurers were also billed for approximately one-third of all hospital stays in 1998-2000 and predominately charged for diagnoses related to infancy and childbirth, which accounted for 4 of the top 10 principal diagnoses charged to private carriers. Two of the top 10 diagnoses charged to private insurers were related to heart problems (*Table 13, page 23*). Medicaid was billed for approximately one-fifth of all hospital stays and primarily for diagnoses related to infancy and childbirth, which accounted for 7 of the top 10 principal diagnoses (*Table 14, page 24*).

The Discharge status of patients is depicted in *Chart 4 and Tables 15-19*. Four of every five discharges resulted in the patient returning home after the completion of treatment in the hospital. Two in every 100 hospital stays culminated in death and the same proportion resulted in the patient being referred to a different short-term general hospital facility. About one in ten discharges resulted in the patient being sent to a long-term care facility (*Chart 4, page 25*).

Of the 0.5% of discharges in 1998-2000 which resulted in patients leaving against medical advice, the principal diagnosis was most frequently “substance-related mental disorders” (*Table 15, page 26*).

Infections such as “pneumonia”\*, “urinary tract infection”, “septicemia”, and diagnoses which compromise functional ability such as “osteoarthritis”, “fractures” and “acute cerebrovascular disease” are the most common diagnoses found in patient’s being referred to long-term care or other facilities (*Table 16, page 27*).

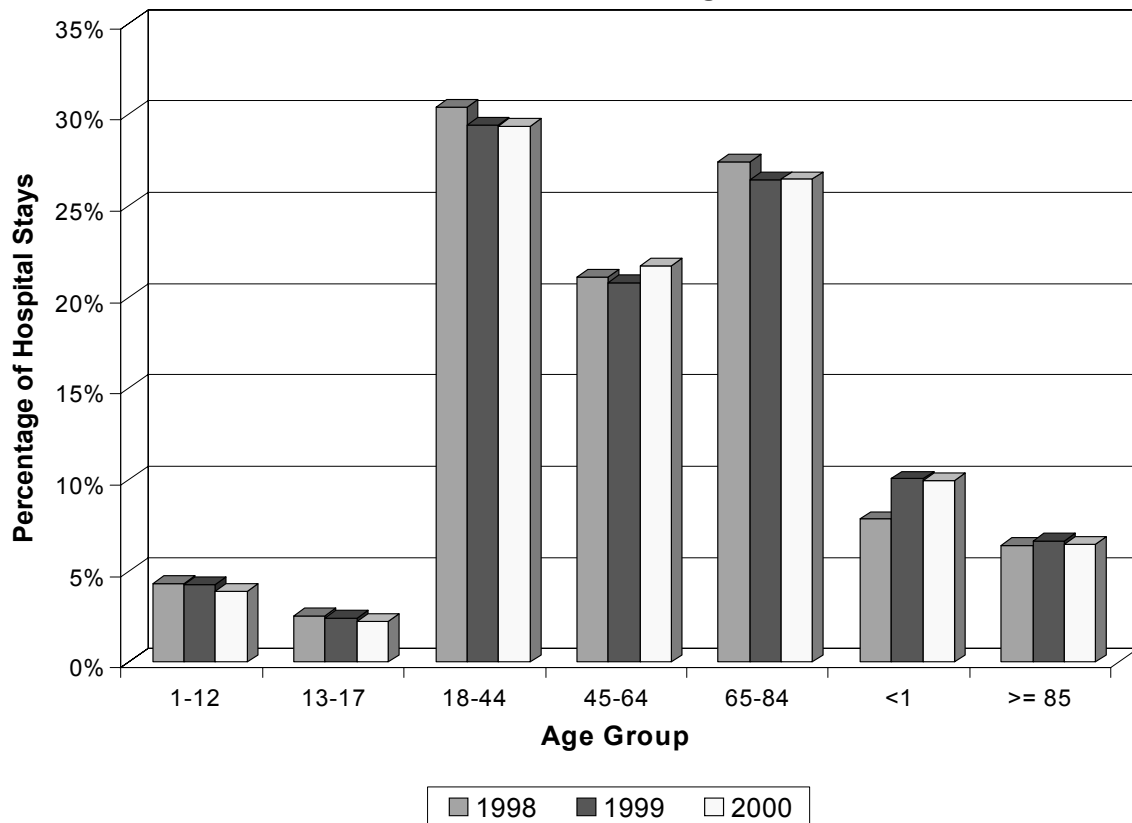
“Pneumonia”\*, “septicemia”, and “acute cerebrovascular disease” respectively are the most common primary diagnoses for stays that resulted in an in-hospital death. Other diagnoses resulting in in-hospital death were linked to heart and respiratory problems and cancer (*Table 17, page 28*).

In-hospital death counts by principal diagnoses and age indicate that, for persons aged 45 years and older, the most common diagnoses are complications from “pneumonia”\*, and “acute cerebrovascular disease”. Other than deaths among infants, the primary conditions for stays resulting in in-hospital deaths for persons under 44 years of age were “HIV”, followed by “intracranial injury” (*Table 18, page 29*).

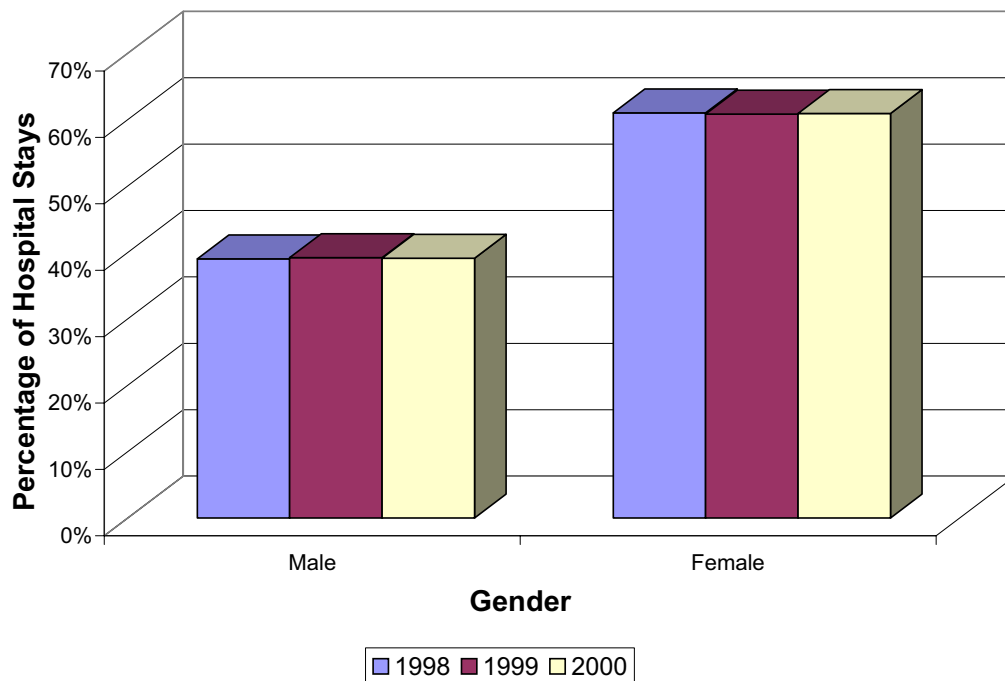
\* Except that caused by tuberculosis or STDs

**Chart 1a-1b. Distribution of Hospital Discharges by Year,  
Louisiana, 1998-2000**

**Chart 1a. Age**



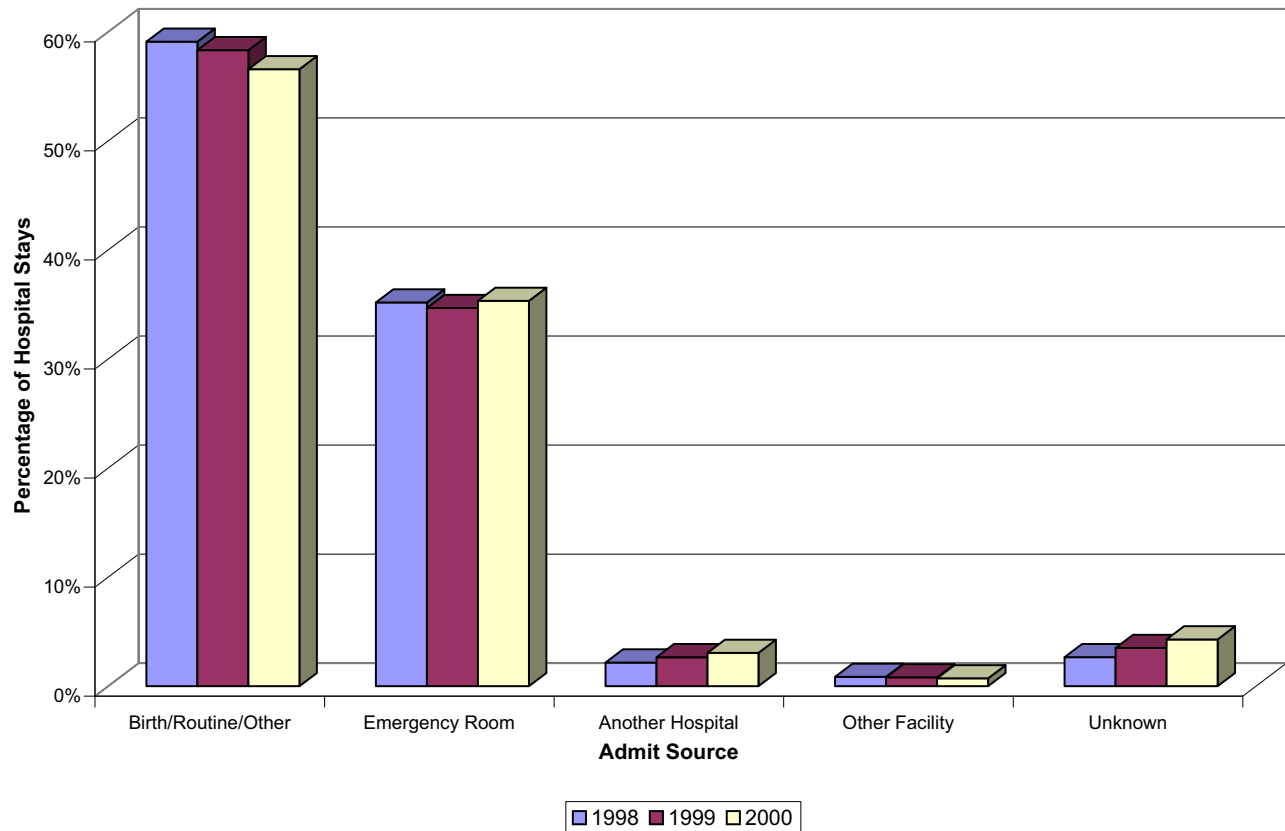
**Chart 1b. Gender**



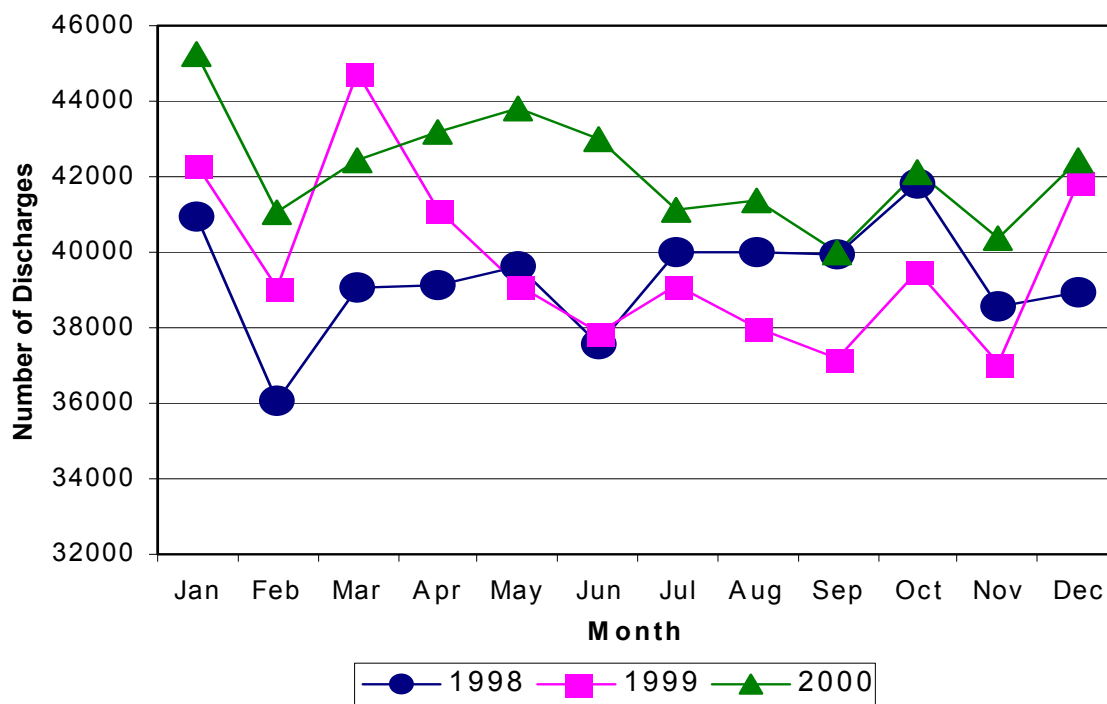


# **Chart 1c-1d. Distribution of Hospital Discharges by Year, Louisiana, 1998 - 2000**

**Chart 1c. Admit Source**



**Chart 1d. Monthly Discharge Counts by Year**



**Table 1. Top 10 Diagnoses at Discharge,  
Louisiana, 1998 - 2000**

Rank	1998	# of	% of all	1999	# of	% of all	2000	# of	% of all
	Principal Diagnoses	discharges	discharges	Principal Diagnoses	discharges	discharges	Principal Diagnoses	discharges	discharges
1	Liveborn	24946	5.29	Liveborn	35796	7.51	Liveborn	38785	7.66
2	Pneumonia (except that caused by tuberculosis or STDs)	20436	4.33	Pneumonia (except that caused by tuberculosis or STDs)	21277	4.46	Coronary atherosclerosis and other heart disease	19605	3.87
3	Coronary atherosclerosis and other heart disease	18491	3.92	Coronary atherosclerosis and other heart disease	18118	3.80	Pneumonia (except that caused by tuberculosis or STDs)	19155	3.78
4	Congestive heart failure, nonhypertensive	15352	3.26	Congestive heart failure, nonhypertensive	15007	3.15	Congestive heart failure, nonhypertensive	16417	3.24
5	Normal pregnancy and/or delivery	8390	1.78	Affective disorders	9902	2.08	Nonspecific chest pain	9887	1.95
6	Fluid and electrolyte disorders	8348	1.77	Chronic obstructive pulmonary disease and bronchiectasis	9149	1.92	Other complications of birth and the puerperium	9715	1.92
7	Chronic obstructive pulmonary disease and bronchiectasis	8197	1.74	Fluid and electrolyte disorders	8615	1.81	Fluid and electrolyte disorders	9602	1.90
8	Affective disorders	8168	1.73	Other complications of birth and the puerperium	8554	1.79	Affective disorders	9483	1.87
9	Acute cerebrovascular disease	8052	1.71	Acute myocardial infarction	8216	1.72	Rehabilitation care, fitting of prostheses, and devices	9304	1.84
10	Acute myocardial infarction	8007	1.70	Rehabilitation care, fitting of prostheses, and devices	7987	1.67	Acute myocardial infarction	8815	1.74
	Total Top 10 Discharges	128387	27.22	Total Top 10 Discharges	142621	29.90	Total Top 10 Discharges	150768	29.78
	Total Discharges in 1998	471636	100.00	Total Discharges in 1999	476956	100.00	Total Discharges in 2000	506214	100.00

Note: Shaded areas indicate rank unchanged for this three-year period.

**Table 2a. Top 10 Principal Diagnoses, Louisiana, 1998**

	<b>1998</b>	<b># of</b>	<b>% of all</b>
	<b>Principal Diagnoses</b>	<b>discharges</b>	<b>discharges</b>
1	Diseases of the circulatory system	89396	18.95
2	Complications of pregnancy, childbirth, and the puerperium	62869	13.33
3	Diseases of the respiratory system	50261	10.66
4	Diseases of the digestive system	41948	8.89
5	Injury and poisoning	34739	7.37
6	Diseases of the genitourinary system	27104	5.75
7	Perinatal conditions	26030	5.52
8	Mental disorders	25487	5.40
9	Neoplasms	25071	5.32
10	Endocrine, nutritional, metabolic and immun diseases	18366	3.89
Total Top 10 Discharges		401271	85.08
Total Discharges in 1998		471636	100.00

**Table 2b. Top 10 Principal Diagnoses, Louisiana, 1999**

<b>Rank</b>	<b>1999</b>	<b># of</b>	<b>% of all</b>
	<b>Principal Diagnoses</b>	<b>discharges</b>	<b>discharges</b>
1	Diseases of the circulatory system	88196	18.49
2	Complications of pregnancy, childbirth, and the puerperium	62462	13.10
3	Diseases of the respiratory system	53100	11.13
4	Diseases of the digestive system	41192	8.64
5	Perinatal conditions	36884	7.73
6	Injury and poisoning	31997	6.71
7	Mental disorders	28119	5.90
8	Diseases of the genitourinary system	26421	5.54
9	Neoplasms	22671	4.75
10	Endocrine, nutritional, metabolic and immun diseases	18241	3.82
Total Top 10 Discharges		409283	85.81
Total Discharges in 1999		476956	100.00

**Table 2c. Top 10 Principal Diagnoses, Louisiana, 2000**

<b>Rank</b>	<b>2000</b>	<b># of</b>	<b>% of all</b>
	<b>Principal Diagnoses</b>	<b>discharges</b>	<b>discharges</b>
1	Diseases of the circulatory system	96397	19.04
2	Complications of pregnancy, childbirth, and the puerperium	65576	12.95
3	Diseases of the respiratory system	49487	9.78
4	Diseases of the digestive system	43010	8.50
5	Perinatal conditions	39844	7.87
6	Injury and poisoning	35171	6.95
7	Mental disorders	29096	5.75
8	Diseases of the genitourinary system	27203	5.37
9	Neoplasms	24156	4.77
10	Endocrine, nutritional, metabolic and immun diseases	19588	3.87
Total Top 10 Discharges		429528	84.85
Total Discharges in 2000		506214	100.00

Note: Shadows indicate rank unchanged for this three-year period. Grouping used in these tables is done by using the first two-digits of the multiple level CCS codes, called Body System.

**Table 3a. Top 5 Principal Diagnoses, Age < 1 Year Old, Louisiana, 2000**

<b>Principal Diagnoses</b>	<b>Discharges by Age Group: &lt; 1</b>
Liveborn	38784
Acute bronchitis	2428
Pneumonia (except that caused by tuberculosis or STDs)	1066
Fluid and electrolyte disorders	667
Other perinatal conditions	523
Total Top 5 Discharges	43468
Total Discharges in 2000	50287

**Table 3b. Top 5 Principal Diagnoses, Ages 1-12 Years, Louisiana, 2000**

<b>Principal Diagnoses</b>	<b>Discharges by Age Group: 1-12</b>
Asthma	2339
Pneumonia (except that caused by tuberculosis or STDs)	2319
Fluid and electrolyte disorders	1741
Intestinal infection	824
Noninfectious gastroenteritis	821
Total Top 5 Discharges	8044
Total Discharges in 2000	19777

**Table 3c. Top 5 Principal Diagnoses, Ages 13-17 Years, Louisiana, 2000**

<b>Principal Diagnoses</b>	<b>Discharges by Age Group: 13-17</b>
Affective disorders	792
Other complications of birth and the puerperium	696
Other complications of pregnancy	518
Trauma to perineum and vulva	511
Early or threatened labor	411
Total Top 5 Discharges	2928
Total Discharges in 2000	11325

**Table 3d. Top 5 Principal Diagnoses, Ages 18-44 Years, Louisiana, 2000**

<b>Principal Diagnoses</b>	<b>Discharges by Age Group: 18-44</b>
Other complications of birth and the puerperium	9005
Other complications of pregnancy	7040
Normal pregnancy and/or delivery	6551
Trauma to perineum and vulva	6343
Previous C-section	6073
Total Top 5 Discharges	35012
Total Discharges in 2000	148576

**Table 3e. Top 5 Principal Diagnoses, Ages 45-64 Years, Louisiana, 2000**

<b>Principal Diagnoses</b>	<b>Discharges by Age Group: 45-64</b>
Coronary atherosclerosis and other heart disease	8775
Nonspecific chest pain	4813
Congestive heart failure, nonhypertensive	4045
Pneumonia (except that caused by tuberculosis or STDs)	3633
Acute myocardial infarction	3399
Total Top 5 Discharges	24665
Total Discharges in 2000	109732

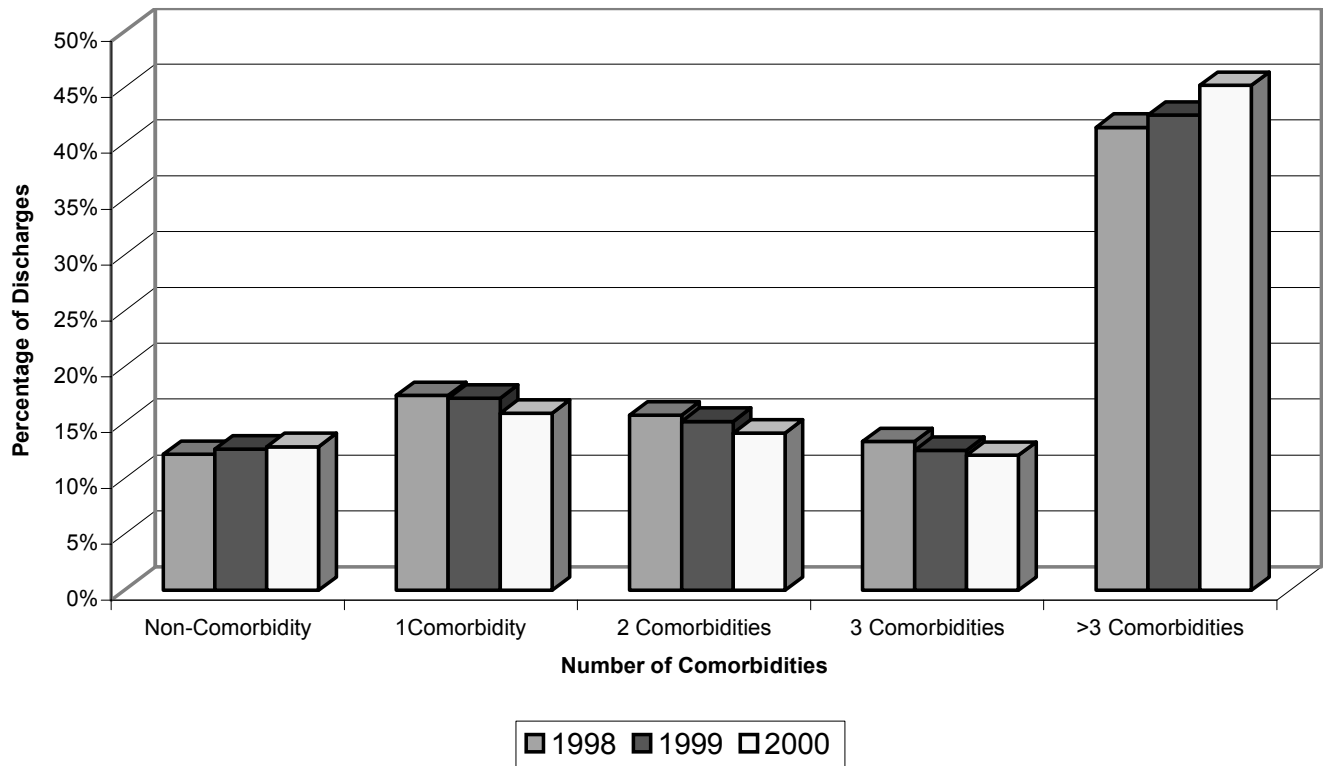
**Table 3f. Top 5 Principal Diagnoses, Ages 65-84 Years, Louisiana, 2000**

<b>Principal Diagnoses</b>	<b>Discharges by Age Group: 65-84</b>
Congestive heart failure, nonhypertensive	8881
Coronary atherosclerosis and other heart disease	8876
Pneumonia (except that caused by tuberculosis or STDs)	7088
Rehabilitation care, fitting of prostheses, and devices	5629
Chronic obstructive pulmonary disease and bronchiectasis	4814
Total Top 5 Discharges	35288
Total Discharges in 2000	133820

**Table 3g. Top 5 Principal Diagnoses, Ages 85 and Up, Louisiana, 2000**

<b>Principal Diagnoses</b>	<b>Discharges by Age Group: 85+</b>
Pneumonia (except that caused by tuberculosis or STDs)	3034
Congestive heart failure, nonhypertensive	2724
Urinary tract infections	1639
Fluid and electrolyte disorders	1430
Rehabilitation care, fitting of prostheses, and devices	1403
Total Top 5 Discharges	10230
Total Discharges in 2000	32692

**Chart 2. Distribution of Discharges with Co-morbidities by Year,  
Louisiana, 1998-2000**



Note: Comorbidities are coexisting medical problems that are listed as other diagnoses and are not directly related to the principal diagnosis.



**Table 4. Top 10 Co-morbidities,  
Louisiana, 1998-2000**

Rank	1998 Co-morbidities	# of Co- morbidity	% of total Co- morbidity	1999 Co-morbidities	# of Co- morbidity	% of total Co- morbidity	2000 Co-morbidities	# of Co- morbidity	% of total Co- morbidity
1	Essential hypertension	93748	5.96	Essential hypertension	99917	6.12	Essential hypertension	114327	6.32
2	Coronary atherosclerosis and other heart disease	85544	5.44	Coronary atherosclerosis and other heart disease	90538	5.55	Coronary atherosclerosis and other heart disease	101591	5.62
3	Fluid and electrolyte disorders	65746	4.18	Fluid and electrolyte disorders	65814	4.03	Fluid and electrolyte disorders	69256	3.83
4	Normal pregnancy and/or delivery	50850	3.23	Normal pregnancy and/or delivery	51381	3.15	Diabetes mellitus without complication	54865	3.04
5	Diabetes mellitus without complication	46526	2.96	Diabetes mellitus without complication	48829	2.99	Normal pregnancy and/or delivery	54011	2.99
6	Deficiency and other anemia	43424	2.76	Cardiac dysrhythmias	43170	2.64	Cardiac dysrhythmias	47182	2.61
7	Cardiac dysrhythmias	41528	2.64	Deficiency and other anemia	42243	2.59	Deficiency and other anemia	46547	2.58
8	Chronic obstructive pulmonary disease and bronchiectasis	37472	2.38	Chronic obstructive pulmonary disease and bronchiectasis	37706	2.31	Chronic obstructive pulmonary disease and bronchiectasis	40425	2.24
9	Congestive heart failure, nonhypertensive	29776	1.89	Congestive heart failure, nonhypertensive	30954	1.90	Substance-related mental disorders	35764	1.98
10	Bacterial infection, unspecified site	28049	1.78	Substance-related mental disorders	28328	1.74	Congestive heart failure, nonhypertensive	34409	1.90
	Total Top 10 Co-morbidities	522663	33.23	Total Top 10 Co-morbidities	538880	33.01	Total Top 10 Co-morbidities	598377	33.10
	Total Co-morbidities in 1998	1572805	100.00	Total Co-morbidities in 1999	1632614	100.00	Total Co-morbidities in 2000	1807621	100.00

Note: Shadows indicate rank unchanged for this three-year period. Co-morbidities are coexisting medical problems that are listed as other diagnoses and are not directly related to the principal diagnosis.

**Table 5: Top 10 Co-morbidities by Age Group. Louisiana 2000**

Co-morbidities	AGE GROUP (Years)						
	< 1	1-12	13-17	18-44	45-64	65-84	85 &+
Other perinatal conditions	<b>17139</b>						
Hemolytic jaundice and perinatal jaundice	7335						
Short gestation, low birth weight, and fetal growth ret	4075						
Medical examination/evaluation	2397						
Fluid and electrolyte disorders	1989	<b>3354</b>	675	8769	14858	28313	11297
Other congenital anomalies	1877						
Cardiac and circulatory congenital anomalies	1737						
Otitis media and related conditions	1585	1812					
Other male genital disorders	1566						
Birth trauma	1374						
Other upper respiratory infections		1642					
Asthma		1400					
Noninfectious gastroenteritis		967					
Bacterial infection, unspecified site		949	542				
Pneumonia (except that caused by TB or STD)		897					
Viral infection		793					
Other gastrointestinal disorders		775					
Epilepsy, convulsions		740					
Normal pregnancy and/or delivery			<b>3307</b>	<b>50664</b>			
Other complications of birth, puerp. affecting manag.			1684	19708			
Other complications of pregnancy			1046	13830			
Other mental conditions			711				
Substance-related mental disorders			517	15697	11885		
Anxiety, somatoform, dissociative, and personality diso.			509				
Deficiency and other anemia			508	9779	10358	18500	6365
Trauma to perineum and vulva			418				
Essential hypertension				10435	<b>37323</b>	54363	<b>11940</b>
Residual codes, unclassified				7668	9356		
Contraceptive and procreative management				6999			
Inflammatory diseases of female pelvic organs				6673			
Coronary atherosclerosis and other heart disease					30446	<b>58126</b>	9839
Diabetes mellitus without complication					18787	27456	4328
Disorders of lipid metabolism					10399		
Chronic obstructive pulmonary disease and bronchiec					9912	23713	4834
Cardiac dysrhythmias					8095	27572	8622
Congestive heart failure, nonhypertensive						19074	7323
Senility and organic mental disorders						12227	8698
Urinary tract infections						11925	5553
<b>Total Top 10 Co-morbidities</b>	<b>41074</b>	<b>13329</b>	<b>9917</b>	<b>150222</b>	<b>161419</b>	<b>281269</b>	<b>78799</b>
<b>Total Discharges in 2000</b>	<b>63509</b>	<b>32414</b>	<b>23485</b>	<b>385353</b>	<b>427345</b>	<b>691757</b>	<b>183741</b>

Note: The bolded figures in shaded area shows the age group with the highest frequency.

Co-morbidities are coexisting medical conditions that are listed as other diagnoses and are not directly related to principal diagnoses for hospitalization.

**Table 6. Top 10 Principal Diagnoses Admitted through the Emergency Room (ER),  
Louisiana, 1998-2000**

Rank	1998 ER Principal Diagnoses	# of admits through ER	% of admits through ER	1999 ER Principal Diagnoses	# of admits through ER	% of admits through ER	2000 ER Principal Diagnoses	# of admits through ER	% of admits through ER
1	Pneumonia (except that caused by tuberculosis or STDs)	11018	6.64	Pneumonia (except that caused by tuberculosis or STDs)	11396	6.89	Pneumonia (except that caused by tuberculosis or STDs)	10314	5.77
2	Congestive heart failure, nonhypertensive	8861	5.34	Congestive heart failure, nonhypertensive	8751	5.29	Congestive heart failure, nonhypertensive	9707	5.43
3	Coronary atherosclerosis and other heart disease	7039	4.24	Coronary atherosclerosis and other heart disease	6746	4.08	Coronary atherosclerosis and other heart disease	7585	4.24
4	Acute cerebrovascular disease	5261	3.17	Acute myocardial infarction	5087	3.08	Nonspecific chest pain	6279	3.51
5	Acute myocardial infarction	4980	3.00	Chronic obstructive pulmonary disease and bronchiectasis	5046	3.05	Acute cerebrovascular disease	5442	3.04
6	Nonspecific chest pain	4854	2.92	Nonspecific chest pain	5046	3.05	Acute myocardial infarction	5317	2.97
7	Urinary tract infections	4421	2.66	Acute cerebrovascular disease	4998	3.02	Chronic obstructive pulmonary disease and bronchiectasis	4885	2.73
8	Chronic obstructive pulmonary disease and bronchiectasis	4362	2.63	Urinary tract infections	4315	2.61	Fluid and electrolyte disorders	4768	2.67
9	Fluid and electrolyte disorders	4131	2.49	Fluid and electrolyte disorders	4248	2.57	Urinary tract infections	4653	2.60
10	Septicemia (except in labor)	3755	2.26	Cardiac dysrhythmias	3579	2.16	Cardiac dysrhythmias	3994	2.23
	Total Top 10 at ER	58682	35.36	Total Top 10 at ER	59212	35.79	Total Top 10 at ER	62944	35.19
	Total ER admissions in 1998	165974	100.00	Total ER admissions in 1999	165423	100.00	Total ER admissions in 2000	178879	100.00

Note: Shadows indicate rank unchanged for this three-year period.

**Table 7: Top 10 Principal Diagnoses admitted through Emergency Room (ER)  
by Age Group. Louisiana 2000**

Principal Diagnoses	Admits by Age Group (Years)						
	< 1	1-12	13-17	18-44	45-64	65-84	85 &+
Acute bronchitis	875	262					
Pneumonia (except that caused by TB or STD)	362	933		1071	2026	4040	1811
Intestinal infection	241	352					
Fluid and electrolyte disorders	219	558				1737	885
Other upper respiratory infections	193	222					
Asthma	186	1099	125				
Other perinatal conditions	155						
Viral infection	149						
Noninfectious gastroenteritis	133	342					
Urinary tract infections	133					1801	1104
Epilepsy, convulsions		291					
Sickle cell anemia		241	137	905			
Appendicitis and other appendiceal conditions		199	219				
Affective disorders			207	1341			
Fracture of lower limb			155				
Poisoning by other medications and drugs			110				
Intracranial injury			101				
Diabetes mellitus with complications			95	1049	1130		
Other complications of pregnancy			87	961			
Crushing injury or internal injury			86				
Nonspecific chest pain				1422	3024	1608	
Substance-related mental disorders				1002			
Schizophrenia and related disorders				938			
Skin and subcutaneous tissue infections				923			
Biliary tract disease				899			
Coronary atherosclerosis and other heart disease					3472	3147	
Congestive heart failure, nonhypertensive					2421	5194	1663
Acute myocardial infarction					2000	2384	591
Acute cerebrovascular disease					1541	2757	820
Chronic obstructive pulmonary disease and bronchiec					1490	2737	
Cardiac dysrhythmias					1052	2104	460
Hypertension with complications / secondary hypertension					926		
Fracture of neck of femur (hip)							788
Septicemia (except in labor)							715
Aspiration pneumonitis, food/vomit							504
<b>Total of Top 10 ER Admissions</b>	<b>2646</b>	<b>4499</b>	<b>1322</b>	<b>10511</b>	<b>19082</b>	<b>27509</b>	<b>8837</b>
<b>Total # of ER Admissions</b>	<b>3873</b>	<b>7841</b>	<b>3549</b>	<b>40557</b>	<b>46699</b>	<b>59045</b>	<b>17314</b>

Note: The bolded figures in shaded area shows the age group with the highest frequency.

**Table 8. Top 10 Principal Procedures,  
Louisiana, 1998-2000**

Rank	1998			1999			2000		
	Principal Procedures	#	%	Principal Procedures	#	%	Principal Procedures	#	%
1	Caesarean section	14462	5.42	Caesarean section	14837	5.72	Caesarean section	16313	5.80
2	Other procedures to assist delivery	10940	4.10	Circumcision	13578	5.24	Circumcision	14026	4.99
3	Circumcision	9415	3.53	Other procedures to assist delivery	11135	4.30	Other procedures to assist delivery	12818	4.56
4	Episiotomy	8402	3.15	Episiotomy	8415	3.25	Diagnostic cardiac catheterization, coronary arteriography	8790	3.13
5	Diagnostic cardiac catheterization, coronary arteriography	7554	2.83	Diagnostic cardiac catheterization, coronary arteriography	7857	3.03	Total abdominal hysterectomy	7864	2.80
6	Total abdominal hysterectomy	7305	2.74	Total abdominal hysterectomy	7270	2.80	Episiotomy	7629	2.71
7	Percutaneous transluminal coronary angioplasty (PTCA)	5467	2.05	Percutaneous transluminal coronary angioplasty (PTCA)	6024	2.32	Percutaneous transluminal coronary angioplasty (PTCA)	6416	2.28
8	Upper gastrointestinal endoscopy, biopsy	5355	2.01	Upper gastrointestinal endoscopy, biopsy	5389	2.08	Repair of current obstetric laceration	6047	2.15
9	Repair of current obstetric laceration	5131	1.92	Repair of current obstetric laceration	5173	2.00	Upper gastrointestinal endoscopy, biopsy	5850	2.08
10	Packed cell transfusion	4967	1.86	Packed cell transfusion	4374	1.69	Packed cell transfusion	5333	1.90
	Total Top 10 Procedures	78998	29.61	Total Top 10 Procedures	84052	32.42	Total Top 10 Procedures	91086	32.41
	Total Procedures in 1998	266817	100.00	Total Procedures in 1999	259229	100.00	Total Procedures in 2000	281049	100.00

Note: Shadows indicate rank unchanged for this three-year period.

Procedure codings are based on Clinical Classifications Software (CCS) codes.

**Table 9. Top 10 Highest Average Charged Principal Diagnoses,  
Louisiana , 1998-2000**

Rank	1998 Principal Diagnoses	Avg Charges*	Avg LOS**	1999 Principal Diagnoses	Avg Charges*	Avg LOS**	2000 Principal Diagnoses	Avg Charges*	Avg LOS**
1	Short gestation, low birth weight, and fetal growth retardation	\$48,903	21	Spinal cord injury	\$49,111	15	Respiratory distress syndrome	\$65,198	19
2	Spinal cord injury	\$44,100	15	Leukemias	\$48,537	13	Leukemias	\$59,176	14
3	Immunity disorders	\$42,952	14	Respiratory distress syndrome	\$44,931	15	Short gestation, low birth weight, and fetal growth retardation	\$54,480	21
4	Aortic, peripheral, and visceral artery aneurysms	\$42,275	8	Heart valve disorders	\$43,322	7	Other CNS infection and poliomyelitis	\$52,761	15
5	Leukemias	\$39,771	13	Cardiac and circulatory congenital anomalies	\$42,773	7	Intrauterine hypoxia and birth asphyxia	\$48,040	17
6	Heart valve disorders	\$38,366	7	Other CNS infection and poliomyelitis	\$41,146	16	Cardiac and circulatory congenital anomalies	\$47,259	7
7	Encephalitis (except that caused by tuberculosis or STDs)	\$37,845	12	Respiratory failure, insufficiency, arrest (adult)	\$40,724	12	Respiratory failure, insufficiency, arrest (adult)	\$47,009	14
8	Cancer of other GI organs, peritoneum	\$37,618	10	Short gestation, low birth weight, and fetal growth retardation	\$38,523	15	Spinal cord injury	\$44,904	12
9	Other CNS infection and poliomyelitis	\$37,610	12	Aortic, peripheral, and visceral artery aneurysms	\$37,218	8	Heart valve disorders	\$44,005	7
10	Respiratory failure, insufficiency, arrest (adult)	\$37,267	12	Immunity disorders	\$33,957	11	Aortic, peripheral, and visceral artery aneurysms	\$35,198	7

Note: Shaded diagnoses also appear on the longest length of hospitalization list.

\*Average Charges per stay

\*\*Average length of stay in hospital



**Table 10. Top 10 Least Average Charged Principal Diagnoses,  
Louisiana , 1998-2000**

Rank	1998 Principal Diagnoses	Avg Charges*	Avg LOS**	1999 Principal Diagnoses	Avg Charges*	Avg LOS**	2000 Principal Diagnoses	Avg Charges*	Avg LOS**
1	Medical examination/ evaluation	\$1,805	2	Medical examination/ evaluation	\$2,121	2	Hemolytic jaundice and perinatal jaundice	\$2,417	2
2	Hemolytic jaundice and perinatal jaundice	\$2,257	2	Hemolytic jaundice and perinatal jaundice	\$2,124	2	Administrative/ social admission	\$2,603	7
3	Other screening for suspected conditions (not mental disorders or infectious disease)	\$2,282	2	Other screening for suspected conditions (not mental disorders or infectious disease)	\$3,088	2	Medical examination/ evaluation	\$2,651	2
4	Administrative/social admission	\$3,136	4	Immunizations and screening for infectious disease	\$3,171	4	Personal history of mental disorder, mental and behavioral problems, observation and screening for mental condition	\$3,732	4
5	Personal history of mental disorder, mental and behavioral problems, observation and screening for mental condition	\$3,743	5	Noninfectious gastroenteritis	\$3,563	2	Noninfectious gastroenteritis	\$3,960	2
6	Spontaneous abortion	\$4,191	1	Normal pregnancy and/or delivery	\$4,235	2	Umbilical cord complication	\$4,400	2
7	Acute and chronic tonsillitis	\$4,198	2	Forceps delivery	\$4,249	2	Allergic reactions	\$4,472	2
8	Trauma to perineum and vulva	\$4,385	2	Acute and chronic tonsillitis	\$4,290	2	Induced abortion	\$4,542	1
9	Forceps delivery	\$4,398	2	Induced abortion	\$4,306	1	Trauma to perineum and vulva	\$4,649	2
10	Normal pregnancy and/or delivery	\$4,442	2	Personal history of mental disorder, mental and behavioral problems, observation and screening for mental condition	\$4,337	4	Forceps delivery	\$4,659	2

\*Average Charges per stay

\*\*Average length of stay in hospital (days)

**Table 11. Top 10 Principal Diagnoses with the Longest Average Hospital Stay,  
Louisiana , 1998-2000**

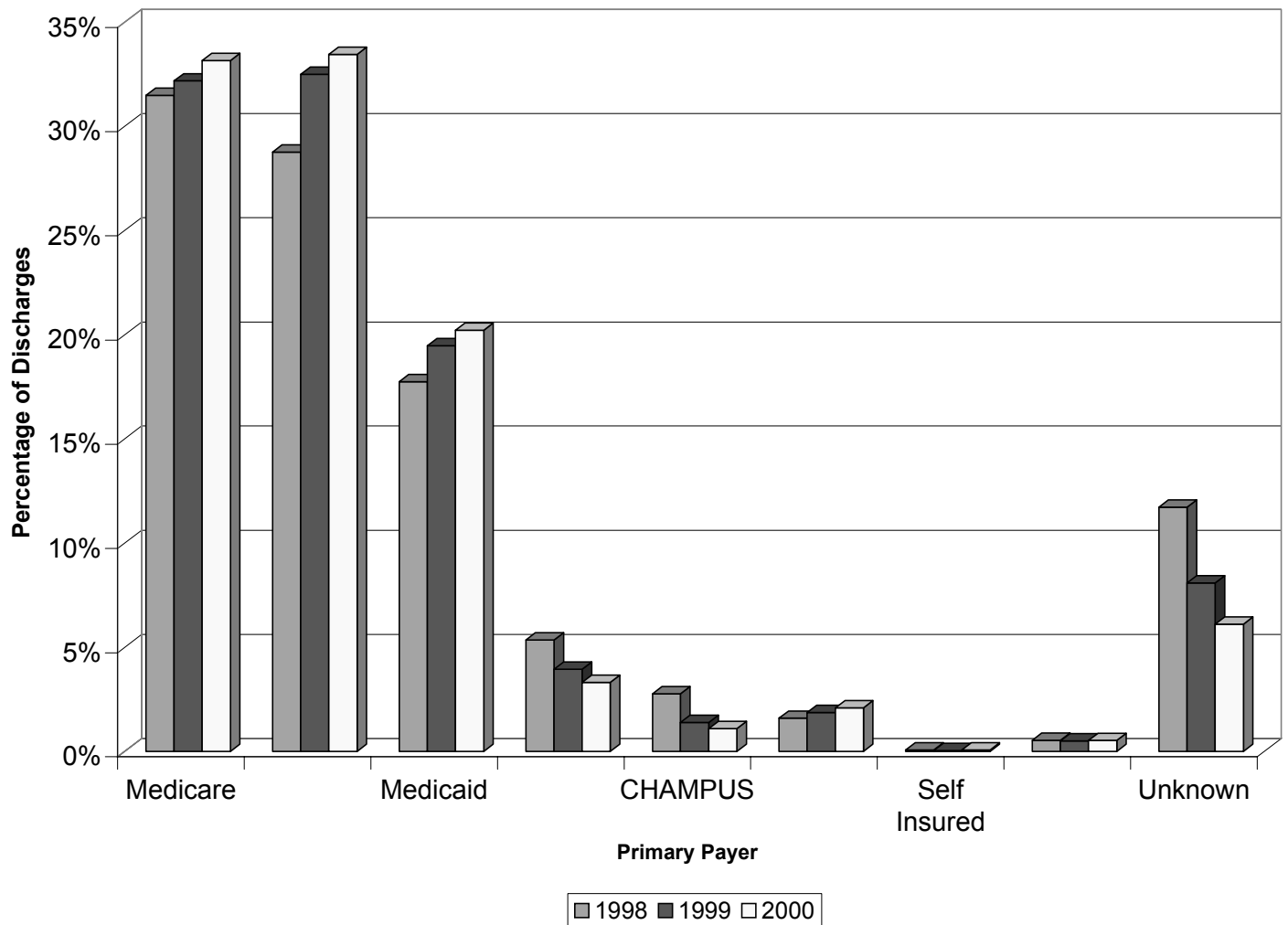
Rank	1998 Principal Diagnoses	Avg Charges*	Avg LOS**	1999 Principal Diagnoses	Avg Charges*	Avg LOS**	2000 Principal Diagnoses	Avg Charges*	Avg LOS**
1	Short gestation, low birth weight, and fetal growth retardation	\$48,903	21	Other CNS infection and poliomyelitis	\$41,146	16	Short gestation, low birth weight, and fetal growth retardation	\$54,480	21
2	Rehabilitation care, fitting of prostheses, and devices	\$25,300	16	Rehabilitation care, fitting of prostheses, and devices	\$20,216	16	Respiratory distress syndrome	\$65,198	19
3	Spinal cord injury	\$44,100	15	Late effects of cerebrovascular disease	\$31,472	15	Preadult disorders	\$15,285	17
4	Late effects of cerebrovascular disease	\$26,068	14	Spinal cord injury	\$49,111	15	Intrauterine hypoxia and birth asphyxia	\$48,040	17
5	Schizophrenia and related disorders	\$11,045	14	Short gestation, low birth weight, and fetal growth retardation	\$38,523	15	Late effects of cerebrovascular disease	\$31,375	16
6	Immunity disorders	\$42,952	14	Respiratory distress syndrome	\$44,931	15	Other CNS infection and poliomyelitis	\$52,761	15
7	Leukemias	\$39,771	13	Schizophrenia and related disorders	\$11,355	13	Rehabilitation care, fitting of prostheses, and devices	\$20,225	15
8	Respiratory distress syndrome	\$31,533	13	Leukemias	\$48,537	13	Leukemias	\$59,176	14
9	Respiratory failure, insufficiency, arrest (adult)	\$37,267	12	Chronic ulcer of skin	\$22,541	12	Respiratory failure, insufficiency, arrest (adult)	\$47,009	14
10	Other CNS infection and poliomyelitis	\$37,610	12	Respiratory failure, insufficiency, arrest (adult)	\$40,724	12	Chronic ulcer of skin	\$25,199	13

Note: Shaded diagnoses also appear on the highest charges list

\*Average Charges per stay

\*\*Average length of stay in hospital (days)

**Chart 3. Distribution of Discharges by Primary Payers by Year,  
Louisiana , 1998-2000**



**Table 12. Top 10 Principal Diagnoses Charged to Medicare,  
Louisiana, 1998-2000**

<b>Rank</b>	<b>1998 Principal Diagnoses</b>	<b># of discharges</b>	<b>% of all discharges</b>	<b>1999 Principal Diagnoses</b>	<b># of discharges</b>	<b>% of all discharges</b>	<b>2000 Principal Diagnoses</b>	<b># of discharges</b>	<b>% of all discharges</b>
1	Congestive heart failure, nonhypertensive	9743	6.56	Pneumonia (except that caused by tuberculosis or STDs)	10084	6.57	Congestive heart failure, nonhypertensive	10643	6.34
2	Pneumonia (except that caused by tuberculosis or STDs)	9248	6.23	Congestive heart failure, nonhypertensive	9744	6.35	Coronary atherosclerosis and other heart disease	9482	5.65
3	Coronary atherosclerosis and other heart disease	8487	5.72	Coronary atherosclerosis and other heart disease	8456	5.51	Pneumonia (except that caused by tuberculosis or STDs)	9369	5.58
4	Rehabilitation care, fitting of prostheses, and devices	4774	3.22	Rehabilitation care, fitting of prostheses, and devices	5597	3.65	Rehabilitation care, fitting of prostheses, and devices	6520	3.89
5	Chronic obstructive pulmonary disease and bronchiectasis	4755	3.20	Chronic obstructive pulmonary disease and bronchiectasis	5429	3.54	Chronic obstructive pulmonary disease and bronchiectasis	5080	3.03
6	Acute cerebrovascular disease	4388	2.96	Acute cerebrovascular disease	4561	2.97	Cardiac dysrhythmias	4870	2.90
7	Cardiac dysrhythmias	4082	2.75	Urinary tract infections	4184	2.73	Acute cerebrovascular disease	4718	2.81
8	Urinary tract infections	3989	2.69	Cardiac dysrhythmias	4138	2.70	Urinary tract infections	4438	2.64
9	Fluid and electrolyte disorders	3815	2.57	Acute myocardial infarction	3925	2.56	Acute myocardial infarction	4264	2.54
10	Septicemia (except in labor)	3807	2.56	Fluid and electrolyte disorders	3869	2.52	Fluid and electrolyte disorders	4235	2.52
Total Top 10 Paid by Medicare				Total Top 10 Paid by Medicare	59987	39.09	Total Top 10 Paid by Medicare	63619	37.91
Total # of 1998 Paid by Medicare				Total # of 1999 Paid by Medicare	153454	100.00	Total # of 2000 Paid by Medicare	167802	100.00

Note: Shadows indicate rank unchanged for this three-year period.

**Table 13. Top 10 Principal Diagnoses Charged to Private Insurers,  
Louisiana, 1998-2000**

Rank	1998 Principal Diagnoses	# of discharges	% of all discharges	1999 Principal Diagnoses	# of discharges	% of all discharges	2000 Principal Diagnoses	# of discharges	% of all discharges
1	Liveborn	13195	9.73	Liveborn	20504	13.23	Liveborn	21537	12.72
2	Coronary atherosclerosis and other heart disease	5372	3.96	Coronary atherosclerosis and other heart disease	6007	3.88	Coronary atherosclerosis and other heart disease	6777	4.00
3	Pneumonia (except that caused by tuberculosis or STDs)	3910	2.88	Pneumonia (except that caused by tuberculosis or STDs)	4615	2.98	Pneumonia (except that caused by tuberculosis or STDs)	4295	2.54
4	Normal pregnancy and/or delivery	3540	2.61	Other complications of birth and the puerperium	3702	2.39	Nonspecific chest pain	4155	2.45
5	Spondylosis, intervertebral disc disorders, other back	3320	2.45	Spondylosis, intervertebral disc disorders, other back	3378	2.18	Other complications of birth and the puerperium	3821	2.26
6	Nonspecific chest pain	2847	2.10	Nonspecific chest pain	3231	2.08	Spondylosis, intervertebral disc disorders, other back	3579	2.11
7	Trauma to perineum and vulva	2768	2.04	Normal pregnancy and/or delivery	3191	2.06	Congestive heart failure, nonhypertensive	3168	1.87
8	Benign neoplasm of uterus	2577	1.90	Trauma to perineum and vulva	2981	1.92	Benign neoplasm of uterus	3088	1.82
9	Previous C-section	2501	1.84	Previous C-section	2850	1.84	Trauma to perineum and vulva	3071	1.81
10	Other complications of birth and the puerperium	2186	1.61	Benign neoplasm of uterus	2755	1.78	Previous C-section	3010	1.78
	Total Top 10 Paid by Private Insurers	42216	31.13	Total Top 10 Paid by Private Insurers	53214	34.34	Total Top 10 Paid by Private Insurers	56501	33.38
	Total # of 1998 Paid by Private Insurers	135595	100.00	Total # of 1999 Paid by Private Insurers	154981	100.00	Total # of 2000 Paid by Private Insurers	169284	100.00

Note: Shadows indicate rank unchanged for this three-year period.

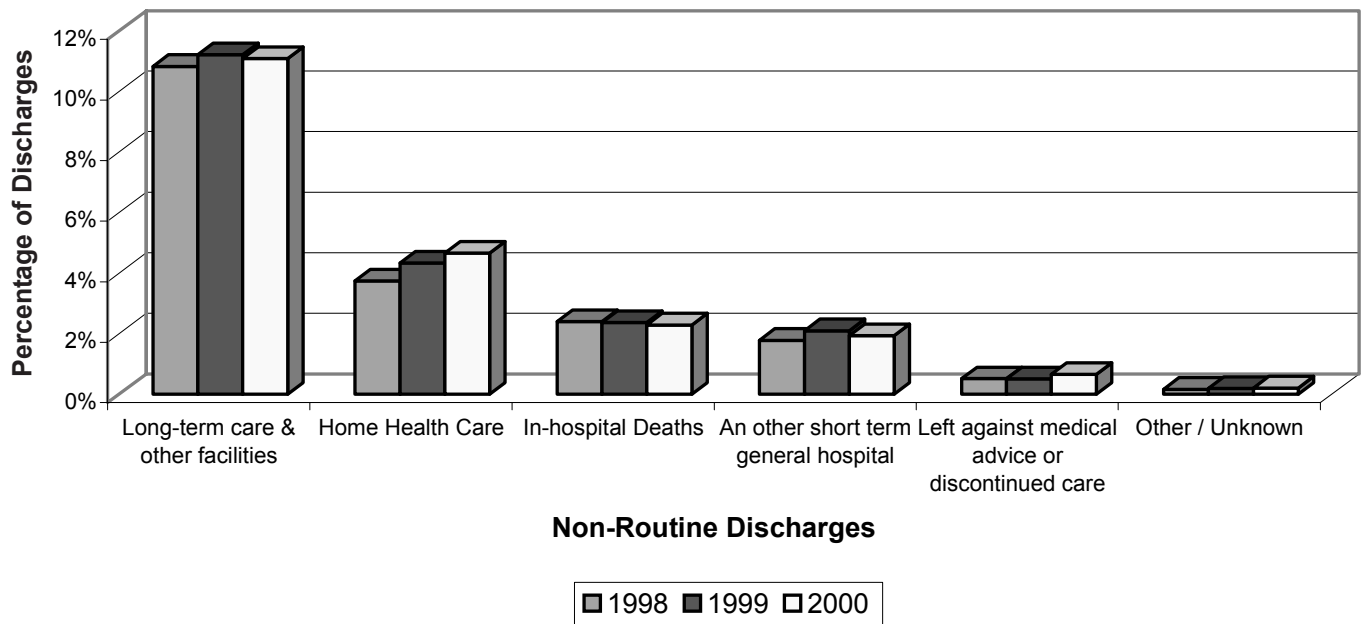
**Table 14. Top 10 Principal Diagnoses Charged to Medicaid,  
Louisiana, 1998-2000**

Rank	1998 Principal Diagnoses	# of discharges	% of all discharges	1999 Principal Diagnoses	# of discharges	% of all discharges	2000 Principal Diagnoses	# of discharges	% of all discharges
1	Liveborn	8792	10.51	Liveborn	12755	13.73	Liveborn	13617	13.31
2	Normal pregnancy and/or delivery	3948	4.72	Other complications of birth and the puerperium	3962	4.27	Other complications of birth and the puerperium	5077	4.96
3	Other complications of pregnancy	3541	4.23	Other complications of pregnancy	3821	4.11	Other complications of pregnancy	4346	4.25
4	Pneumonia (except that caused by tuberculosis or STDs)	3386	4.05	Pneumonia (except that caused by tuberculosis or STDs)	3594	3.87	Normal pregnancy and/or delivery	3455	3.38
5	Other complications of birth and the puerperium	2687	3.21	Normal pregnancy and/or delivery	3511	3.78	Pneumonia (except that caused by tuberculosis or STDs)	3302	3.23
6	Trauma to perineum and vulva	2456	2.94	Trauma to perineum and vulva	2711	2.92	Trauma to perineum and vulva	3185	3.11
7	Early or threatened labor	2372	2.84	Early or threatened labor	2621	2.82	Early or threatened labor	2892	2.83
8	Asthma	2192	2.62	Asthma	2408	2.59	Previous C-section	2705	2.64
9	Fetal distress and abnormal forces of labor	2116	2.53	Previous C-section	2255	2.43	Asthma	2487	2.43
10	Previous C-section	2050	2.45	Affective disorders	2115	2.28	Schizophrenia and related disorders	2178	2.13
	Total Top 10 Paid by Medicaid	33540	40.10	Total Top 10 Paid by Medicaid	39753	42.80	Total Top 10 Paid by Medicaid	43244	42.27
	Total # of 1998 Paid by Medicaid	83644	100.00	Total # of 1999 Paid by Medicaid	92889	100.00	Total # of 2000 Paid by Medicaid	102300	100.00

Note: Shadows indicate rank unchanged for this three-year period.



**Chart 4. Distribution of Non-Routine Discharges by Year,  
Louisiana, 1998-2000**



**Table 15. Top 10 Principal Diagnoses of Patients who Leave Against Medical Advice, Louisiana, 1998-2000**

Rank	1998 Principal Diagnoses	# of discharges	% of all discharges	1999 Principal Diagnoses	# of discharges	% of all discharges	2000 Principal Diagnoses	# of discharges	% of all discharges
1	Substance-related mental disorders	158	6.60	Substance-related mental disorders	121	5.08	Substance-related mental disorders	495	14.89
2	Alcohol-related mental disorders	145	6.05	Nonspecific chest pain	115	4.83	Alcohol-related mental disorders	217	6.53
3	Pneumonia (except that caused by tuberculosis or STDs)	99	4.13	Alcohol-related mental disorders	114	4.78	Nonspecific chest pain	145	4.36
4	Coronary atherosclerosis and other heart disease	93	3.88	Coronary atherosclerosis and other heart disease	96	4.03	Coronary atherosclerosis and other heart disease	113	3.40
5	Nonspecific chest pain	92	3.84	Pneumonia (except that caused by tuberculosis or STDs)	84	3.52	Pneumonia (except that caused by tuberculosis or STDs)	101	3.04
6	Congestive heart failure, nonhypertensive	72	3.01	Affective disorders	70	2.94	Diabetes mellitus with complications	86	2.59
7	Diabetes mellitus with complications	69	2.88	Diabetes mellitus with complications	69	2.90	Congestive heart failure, nonhypertensive	66	1.99
8	Affective disorders	67	2.80	HIV infection	67	2.81	Acute myocardial infarction	66	1.99
9	Hypertension with complications and secondary hypertension	52	2.17	Congestive heart failure, nonhypertensive	63	2.64	Early or threatened labor	66	1.99
10	Pancreatic disorders (not diabetes)	49	2.05	Skin and subcutaneous tissue infections	52	2.18	Pancreatic disorders (not diabetes)	66	1.99
	Total Top 10 Leave Against Medical Advice	896	37.41	Total Top 10 Leave Against Medical Advice	851	35.71	Total Top 10 Leave Against Medical Advice	1421	42.75
	Total # of 1998 Leave Against Medical Advice	2395	100.00	Total # of 1999 Leave Against Medical Advice	2383	100.00	Total # of 2000 Leave Against Medical Advice	3324	100.00

Note: Shadows indicate rank unchanged for this three-year period.

**Table 16. Top 10 Principal Diagnoses of Patients Discharged to LTC\* & Other Facilities, Louisiana, 1998-2000**

Rank	1998 Principal Diagnoses	# of discharges	% of all discharges	1999 Principal Diagnoses	# of discharges	% of all discharges	2000 Principal Diagnoses	# of discharges	% of all discharges
1	Pneumonia (except that caused by tuberculosis or STDs)	3956	7.75	Pneumonia (except that caused by tuberculosis or STDs)	4350	8.13	Pneumonia (except that caused by tuberculosis or STDs)	4085	7.27
2	Acute cerebrovascular disease	3095	6.06	Acute cerebrovascular disease	3244	6.07	Acute cerebrovascular disease	3337	5.94
3	Congestive heart failure, nonhypertensive	2338	4.58	Urinary tract infections	2370	4.43	Fracture of neck of femur (hip)	2555	4.55
4	Fracture of neck of femur (hip)	2209	4.33	Congestive heart failure, nonhypertensive	2280	4.26	Urinary tract infections	2439	4.34
5	Septicemia (except in labor)	2109	4.13	Fracture of neck of femur (hip)	2272	4.25	Congestive heart failure, nonhypertensive	2421	4.31
6	Urinary tract infections	2086	4.09	Septicemia (except in labor)	2051	3.84	Osteoarthritis	2067	3.68
7	Osteoarthritis	1700	3.33	Osteoarthritis	1911	3.57	Septicemia (except in labor)	2055	3.66
8	Fluid and electrolyte disorders	1509	2.96	Fluid and electrolyte disorders	1548	2.89	Fluid and electrolyte disorders	1686	3.00
9	Chronic obstructive pulmonary disease and bronchiectasis	1258	2.46	Chronic obstructive pulmonary disease and bronchiectasis	1412	2.64	Rehabilitation care, fitting of prostheses, and devices	1427	2.54
10	Complication of device, implant or graft	1182	2.32	Aspiration pneumonitis, food/vomit	1234	2.31	Chronic obstructive pulmonary disease and bronchiectasis	1260	2.24
	Total Top 10 Discharged to LTC & other Facilities	21442	42.01	Total Top 10 Discharged to LTC & other Facilities	22672	42.39	Total Top 10 Discharged to LTC & other Facilities	23332	41.55
	Total # of 1998 Discharged to LTC & other Facilities	51037	100.00	Total # of 1999 Discharged to LTC & other Facilities	53480	100.00	Total # of 2000 Discharged to LTC & other Facilities	56160	100.00

Note: Shadows indicate rank unchanged for this three-year period.

\*LTC=Long Term Care.

LTC & other facilities includes skilled nursing facilities, intermediate care facilities, and an other type (non short-term-hospital) of institution.

**Table 17. Top 10 Principal Diagnoses of Discharges Resulting in In-hospital Death,  
Louisiana, 1998-2000**

Rank	1998 Principal Diagnoses	# of discharges	% of all discharges	1999 Principal Diagnoses	# of discharges	% of all discharges	2000 Principal Diagnoses	# of discharges	% of all discharges
1	Pneumonia (except that caused by tuberculosis or STDs)	981	8.71	Pneumonia (except that caused by tuberculosis or STDs)	1074	9.54	Pneumonia (except that caused by tuberculosis or STDs)	1016	8.78
2	Septicemia (except in labor)	905	8.03	Septicemia (except in labor)	911	8.09	Acute cerebrovascular disease	829	7.17
3	Acute cerebrovascular disease	800	7.10	Acute cerebrovascular disease	747	6.64	Septicemia (except in labor)	810	7.00
4	Acute myocardial infarction	743	6.60	Congestive heart failure, nonhypertensive	732	6.50	Congestive heart failure, nonhypertensive	732	6.33
5	Congestive heart failure, nonhypertensive	707	6.28	Acute myocardial infarction	716	6.36	Acute myocardial infarction	722	6.24
6	Respiratory failure, insufficiency, arrest (adult)	561	4.98	Respiratory failure, insufficiency, arrest (adult)	541	4.81	Respiratory failure, insufficiency, arrest (adult)	582	5.03
7	Cancer of bronchus, lung	406	3.60	Aspiration pneumonitis, food/vomitus	394	3.50	Aspiration pneumonitis, food/vomitus	418	3.61
8	Secondary malignancies	349	3.10	Cancer of bronchus, lung	379	3.37	Cancer of bronchus, lung	350	3.03
9	Aspiration pneumonitis, food/vomit	333	2.96	Secondary malignancies	292	2.59	Secondary malignancies	326	2.82
10	Fluid and electrolyte disorders	220	1.95	Chronic obstructive pulmonary disease and bronchiectasis	243	2.16	Fluid and electrolyte disorders	254	2.20
Total Top 10 with In-hospital Death				Total Top 10 with In-hospital Death	6029	53.56	Total Top 10 with In-hospital Death	6039	52.21
Total # of 1998 with In-hospital Death				Total # of 1999 with In-hospital Death	11256	100.00	Total # of 2000 with In-hospital Death	11566	100.00

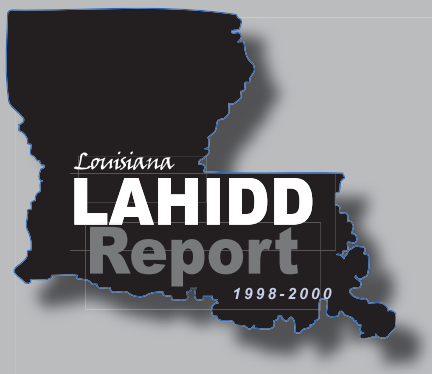
Note: Shadows indicate rank unchanged for this three-year period.

**Table 18. Top 3 In-Hospital Death Counts by Principal Diagnoses and Age,  
Louisiana, 2000**

Principal Diagnoses	Discharges by Age Group (Years)						
	<1	1-12	13-17	18-44	45-64	65-84	85+
Liveborn	<b>188</b>						
Cardiac and circulatory congenital anomalies	***						
Other perinatal conditions	***						
Intracranial injury		***	***	61			
Residual codes, unclassified		***	***				
Respiratory failure, insufficiency, arrest (adult)		***					
Other injuries and conditions due to external causes			***				
HIV infection				<b>90</b>			
Acute cerebrovascular disease				38	<b>199</b>	438	
Pneumonia (except that caused by tuberculosis or STDs)				38	142	<b>504</b>	<b>330</b>
Acute myocardial infarction					145	400	
Congestive heart failure, nonhypertensive						400	227
Septicemia (except in labor)							255
Total Top 3 Discharges	188	***	***	227	486	1742	812
Total Discharges in 2000	230	60	***	740	2379	5593	2537

Note: The bolded number shows the age group with the highest frequency of occurrence.

\*\*\* means value < 30



# **Hospital Inpatient Discharge Data**



# **STATE vs. U.S. SUMMARY 1998 ~ 1999**

## Louisiana vs. U.S. 1998-1999

This section compares information about Louisiana's hospital discharges to the United States data for 1998-1999.

Louisiana and the U.S. share most of the same top 10 principal diagnoses for hospitalization. In 1998 and 1999, "livebirths", "pneumonia"\*, "coronary atherosclerosis", and "non-hypertensive congestive heart failure" were the top 4 diagnoses in both the U.S. and Louisiana (*Tables 19a-b, pages 32-33*).

The most common procedures during hospital stays were related to pregnancy, childbirth and perinatal care in both Louisiana and the United States (*Tables 20a-b, pages 34-35*).

Total amounts charged for principal diagnoses in the U.S. and Louisiana are depicted in *Tables 21a-b, pages 36-37*. For both 1998 and 1999, "coronary atherosclerosis", "pneumonia"\*, and "acute myocardial infarction", topped the list of those diagnoses with the highest total charges.

The top 3 principal diagnoses, along with their corresponding top 5 procedures, are shown in *Tables 22a-b, pages 38-39*. Average hospital charges per admission, average lengths of stay per discharge, and average patient age per discharge are also listed.

\* Except that caused by tuberculosis or STDs

**Table 19a. Top 10 Principal Diagnoses  
Louisiana vs. U.S., 1998**

Rank	Louisiana						U.S.**					
	Principal Diagnoses	#	%	Avg* Charges	Avg* LOS	Avg* Age	Principal Diagnoses	#	%	Avg* Charges	Avg* LOS	Avg* Age
1	Liveborn	24,946	5.3	\$5,467	3.8	0	Liveborn	3,755,916	10.8	\$3,849	3.1	0
2	Pneumonia (except that caused by tuberculosis or STDs)	20,436	4.3	\$13,024	6.0	53	Coronary atherosclerosis and other heart disease	1,313,890	3.8	\$20,592	4.0	66
3	Coronary atherosclerosis and other heart disease	18,491	3.9	\$20,054	4.0	64	Pneumonia (except that caused by tuberculosis or STDs)	1,298,545	3.7	\$13,000	6.1	60
4	Congestive heart failure, nonhypertensive	15,352	3.3	\$12,085	5.4	71	Congestive heart failure, nonhypertensive	1,008,599	2.9	\$12,705	5.7	73
5	Normal pregnancy and/or delivery	8,390	1.8	\$4,442	1.9	25	Acute myocardial infarction	752,910	2.2	\$24,301	5.6	68
6	Fluid and electrolyte disorders	8,348	1.8	\$6,241	4.0	54	Trauma to perineum and vulva	722,081	2.1	\$4,089	1.9	27
7	Chronic obstructive pulmonary disease and bronchiectasis	8,197	1.7	\$12,535	5.5	66	Nonspecific chest pain	625,058	1.8	\$6,066	1.9	58
8	Affective disorders	8,168	1.7	\$8,968	9.6	45	Acute cerebrovascular disease	619,086	1.8	\$16,520	6.8	72
9	Acute cerebrovascular disease	8,052	1.7	\$15,749	6.7	69	Affective disorders	611,197	1.8	\$8,531	8.1	43
10	Acute myocardial infarction	8,007	1.7	\$25,994	5.8	65	Chronic obstructive pulmonary disease and bronchiectasis	605,064	1.7	\$10,975	5.5	69

Note: Shadows indicate the same rank in both Louisiana and U.S.

\* Avg= Average, average charges per stay, average length of stay in hospital (LOS)

\*\* Source : HCUPnet, Healthcare Cost and Utilization Project. Agency for Healthcare Research and Quality, Rockville, MD.

<http://www.ahrq.gov/data/hcup/hcupnet.htm>



**Table 19b. Top 10 Principal Diagnoses  
Louisiana vs. U.S., 1999**

Rank	Louisiana						U.S.**					
	Principal Diagnoses	#	%	Avg* Charges	Avg* LOS	Avg* Age	Principal Diagnoses	#	%	Avg* Charges	Avg* LOS	Avg* Age
1	Liveborn	35,796	7.5	\$5,464	3.6	0	Liveborn	3,842,832	10.8	\$3,908	3.1	0
2	Pneumonia (except that caused by tuberculosis or STDs)	21,277	4.5	\$12,255	5.9	55	Pneumonia (except that caused by tuberculosis or STDs)	1,371,689	3.9	\$13,333	5.9	60
3	Coronary atherosclerosis and other heart disease	18,118	3.8	\$18,023	3.8	64	Coronary atherosclerosis and other heart disease	1,248,183	3.5	\$21,585	3.9	66
4	Congestive heart failure, nonhypertensive	15,007	3.1	\$11,160	5.4	71	Congestive heart failure, nonhypertensive	990,699	2.8	\$13,604	5.6	73
5	Affective disorders	9,902	2.1	\$9,934	9.5	43	Acute myocardial infarction	730,326	2.1	\$25,211	5.5	68
6	Chronic obstructive pulmonary disease and bronchiectasis	9,149	1.9	\$11,163	5.4	66	Trauma to perineum and vulva	726,398	2	\$4,138	2	27
7	Fluid and electrolyte disorders	8,615	1.8	\$6,287	3.8	51	Nonspecific chest pain	674,859	1.9	\$6,499	1.9	59
8	Other complications of birth and the puerperium	8,554	1.8	\$6,040	2.6	26	Chronic obstructive pulmonary disease and	643,527	1.8	\$11,511	5.3	68
9	Acute myocardial infarction	8,216	1.7	\$24,574	5.8	66	Affective disorders	634,743	1.8	\$8,776	8.1	41
10	Rehabilitation care, fitting of prostheses, and devices	7,987	1.7	\$20,216	15.7	71	Other complications of birth and the puerperium	615,279	1.7	\$5,621	2.5	27

Note: Shadows indicate the same rank in both Louisiana and U.S.

\* Avg= Average, average charges per stay, average length of stay in hospital (LOS)

\*\* Source : HCUPnet, Healthcare Cost and Utilization Project. Agency for Healthcare Research and Quality, Rockville, MD.

<http://www.ahrq.gov/data/hcup/hcupnet.htm>

**Table 20a. Top 10 Principal Procedures  
Louisiana vs. U.S., 1998**

Rank	Louisiana			U.S.*		
	Principal Procedures	#	%	Principal Procedures	#	%
1	Cesarean section	14,909	5.6	Other procedures to assist delivery	1,241,504	3.6
2	Other procedures to assist delivery	11,697	4.4	Circumcision	1,104,983	3.2
3	Hysterectomy, abdominal and vaginal	10,118	3.8	Cesarean section	785,257	2.3
4	Upper gastrointestinal endoscopy, biopsy	9,435	3.5	Diagnostic cardiac catheterization, coronary arteriography	670,993	1.9
5	Circumcision	9,415	3.5	Upper gastrointestinal endoscopy, biopsy	655,874	1.9
6	Diagnostic cardiac catheterization, coronary arteriography	9,030	3.4	Repair of current obstetric laceration	595,483	1.7
7	Episiotomy	8,402	3.1	Hysterectomy, abdominal and vaginal	548,706	1.6
8	Percutaneous transluminal coronary angioplasty (PTCA)	7,489	2.8	Episiotomy	535,521	1.5
9	Repair of current obstetric laceration	6,397	2.4	Respiratory intubation and mechanical ventilation	511,864	1.5
10	Forceps, vacuum, and breech delivery	6,242	2.3	Percutaneous transluminal coronary angioplasty (PTCA)	504,610	1.4

\*Source : HCUPnet, Healthcare Cost and Utilization Project. Agency for Healthcare Research and Quality, Rockville, MD.  
<http://www.ahrq.gov/data/hcup/hcupnet.htm>

**Table 20b. Top 10 Principal Procedures  
Louisiana vs. U.S., 1999**

Rank	Louisiana			U.S.*		
	Principal Procedures	#	%	Principal Procedures	#	%
1	Cesarean section	15,297	5.9	Other procedures to assist delivery	1,270,777	3.6
2	Circumcision	13,578	5.2	Circumcision	1,194,189	3.4
3	Other procedures to assist delivery	11,729	4.5	Cesarean section	840,960	2.4
4	Hysterectomy, abdominal and vaginal	10,249	4.0	Diagnostic cardiac catheterization, coronary arteriography	655,340	1.8
5	Diagnostic cardiac catheterization, coronary arteriography	9,428	3.6	Upper gastrointestinal endoscopy, biopsy	648,951	1.8
6	Upper gastrointestinal endoscopy, biopsy	9,119	3.5	Repair of current obstetric laceration	635,960	1.8
7	Episiotomy	8,415	3.2	Hysterectomy, abdominal and vaginal	572,656	1.6
8	Percutaneous transluminal coronary angioplasty (PTCA)	7,817	3.0	Respiratory intubation and mechanical ventilation	547,580	1.5
9	Repair of current obstetric laceration	6,313	2.4	Episiotomy	531,662	1.5
10	Respiratory intubation and mechanical ventilation	6,219	2.4	Percutaneous transluminal coronary angioplasty (PTCA)	501,510	1.4

Note: Shadows indicate rank unchanged for both Louisiana and U.S.

\*Source : HCUPnet, Healthcare Cost and Utilization Project. Agency for Healthcare Research and Quality, Rockville, MD.  
<http://www.ahrq.gov/data/hcup/hcupnet.htm>

**Table 21a. Top 10 Charges for Principal Diagnoses,  
Louisiana vs. U.S., 1998**

Rank	Louisiana				U.S.*			
	Principal Diagnosis	#	%	\$	Principal Diagnosis	#	%	\$
1	Coronary atherosclerosis and other heart disease	18,491	3.9	370,815,879	Coronary atherosclerosis and other heart disease	1,313,890	3.8	26,637,016,005
2	Pneumonia (except that caused by tuberculosis or STDs)	20,436	4.3	266,161,989	Acute myocardial infarction	752,910	2.2	17,934,730,675
3	Acute myocardial infarction	8,007	1.7	208,130,833	Pneumonia (except that caused by tuberculosis or STDs)	1,298,545	3.7	16,514,782,898
4	Rehabilitation care, fitting of prostheses, and devices	7,334	1.6	185,553,557	Liveborn	3,755,916	10.8	13,981,508,282
5	Congestive heart failure, nonhypertensive	15,352	3.3	185,529,970	Congestive heart failure, nonhypertensive	1,008,599	2.9	12,612,246,476
6	Liveborn	24,946	5.3	136,388,766	Acute cerebrovascular disease	619,086	1.8	10,020,265,799
7	Complication of device, implant or graft	6,880	1.5	129,491,908	Complication of device, implant or graft	473,796	1.4	9,621,000,044
8	Acute cerebrovascular disease	8,052	1.7	126,814,213	Osteoarthritis	409,937	1.2	7,959,588,742
9	Septicemia (except in labor)	6,250	1.3	118,548,756	Septicemia (except in labor)	399,433	1.1	7,484,615,552
10	Spondylosis, intervertebral disc disorders, other back	7,063	1.5	114,940,163	Cardiac dysrhythmias	588,353	1.7	6,778,274,570

Note: Shadows indicate the same rank in both Louisiana and U.S.

\*Source : HCUPnet, Healthcare Cost and Utilization Project. Agency for Healthcare Research and Quality, Rockville, MD.

<http://www.ahrq.gov/data/hcup/hcupnet.htm>

**Table 21b. Top 10 Charges for Principal Diagnoses,  
Louisiana vs. U.S., 1999**

Rank	Louisiana				U.S.*			
	Principal Diagnosis	#	%	\$	Principal Diagnosis	#	%	\$
1	Coronary atherosclerosis and other heart disease	18,118	3.8	326,534,288	Coronary atherosclerosis and other heart disease	1,248,183	3.5	26,175,462,510
2	Pneumonia (except that caused by tuberculosis or STDs)	21,277	4.5	260,755,468	Acute myocardial infarction	730,326	2.1	17,888,136,397
3	Acute myocardial infarction	8,216	1.7	201,904,018	Pneumonia (except that caused by tuberculosis or STDs)	1,371,689	3.9	17,817,147,434
4	Liveborn	35,796	7.5	195,572,605	Liveborn	3,842,832	10.8	14,448,544,418
5	Congestive heart failure, nonhypertensive	15,007	3.1	167,476,682	Congestive heart failure, nonhypertensive	990,699	2.8	13,201,245,363
6	Rehabilitation care, fitting of prostheses, and devices	7,987	1.7	161,464,442	Complication of device, implant or graft	499,508	1.4	11,193,945,006
7	Complication of device, implant or graft	6,627	1.4	139,115,419	Acute cerebrovascular disease	588,109	1.7	10,262,913,791
8	Acute cerebrovascular disease	7,678	1.6	123,868,749	Osteoarthritis	416,335	1.2	8,542,813,993
9	Septicemia (except in labor)	5,803	1.2	106,921,448	Rehabilitation care, fitting of prostheses, and devices	435,608	1.2	7,760,270,097
10	Chronic obstructive pulmonary disease and bronchiectasis	9,149	1.9	102,129,896	Septicemia (except in labor)	365,086	1.0	7,490,779,830

Note: Shadows indicate the same rank in both Louisiana and U.S.

\*Source : HCUPnet, Healthcare Cost and Utilization Project. Agency for Healthcare Research and Quality, Rockville, MD.

<http://www.ahrq.gov/data/hcup/hcupnet.htm>

**Table 22a. Top 3 Principal Diagnoses with Corresponding Top 5 Principal Procedures, Louisiana vs. U.S., 1998**

Louisiana						U.S.**				
Top 5 Principal Procedures by Top 3 Principal Diagnoses		#	Avg* \$	Avg* LOS	Avg* Age	Top 5 Principal Procedures by Top 3 Principal Diagnoses	#	Avg* \$	Avg* LOS	Avg* Age
1	<b>Liveborn</b>	<b>24,946</b>	<b>5,467</b>	<b>3.8</b>	<b>0</b>	<b>Liveborn</b>	<b>3,755,916</b>	<b>3,849</b>	<b>3.1</b>	<b>0</b>
	Circumcision	7,378	2,169	2.6	0	Circumcision	1,097,073	2,003	2.5	0
	Prophylactic vaccinations and inoculations	1,254	1,697	2.3	0	Prophylactic vaccinations and inoculations	372,147	1,721	2.2	0
	Ophthalmologic and otologic diagnosis and treatment	602	3,013	2.7	0	Respiratory intubation and mechanical ventilation	82,800	46,510	19.2	0
	Respiratory intubation and mechanical ventilation	412	67,214	24.8	0	Other therapeutic procedures	64,891	13,212	8.5	0
2	Other therapeutic procedures	399	18,419	9.9	0	Other vascular catheterization, not heart	24,824	44,163	17.9	0
	<b>Pneumonia (except that caused by tuberculosis or STDs)</b>	<b>20,436</b>	<b>13,024</b>	<b>6.0</b>	<b>53</b>	<b>Coronary atherosclerosis and other heart disease</b>	<b>1,313,890</b>	<b>20,592</b>	<b>4.0</b>	<b>66</b>
	Diagnostic bronchoscopy and biopsy of bronchus	553	27,079	9.9	63	Percutaneous coronary angioplasty (PTCA)	316,514	21,450	2.5	64
	Respiratory intubation and mechanical ventilation	551	51,714	11.6	61	Diagnostic cardiac catheterization, coronary arteriography	262,520	12,154	3.0	65
	Other respiratory therapy	309	22,900	4.7	35	Coronary artery bypass graft (CABG)	255,663	46,877	8.2	66
3	Other therapeutic procedures	307	15,158	4.7	36	Cardiac stress tests	17,897	7,883	2.7	64
	Blood transfusion	255	20,852	8.0	68	Diagnostic ultrasound of heart (echocardiogram)	12,477	8,671	3.4	67
	<b>Coronary atherosclerosis and other heart disease</b>	<b>18,491</b>	<b>20,054</b>	<b>4.0</b>	<b>64</b>	<b>Pneumonia (except that caused by Tuberculosis or STDs)</b>	<b>1,298,545</b>	<b>13,000</b>	<b>6.1</b>	<b>60</b>
	Percutaneous transluminal coronary angioplasty (PTCA)	4,115	26,091	2.8	64	Respiratory intubation and mechanical ventilation	47,717	47,887	12.5	64
	Diagnostic cardiac catheterization, coronary arteriography	2,990	15,139	3.1	63	Diagnostic bronchoscopy and biopsy of bronchus	40,322	24,024	10.1	63
	Coronary artery bypass graft (CABG)	2,716	64,666	7.8	64	Other therapeutic procedures	34,068	10,796	6.0	56
	Cardiac stress tests	110	12,397	3.0	59	Other respiratory therapy	25,278	8,783	4.7	50
	Other non-OR therapeutic cardiovascular procedures	89	34,894	4.0	65	Blood transfusion	18,516	16,228	7.9	71

\*Avg= Average, average dollars, average length of stay in hospital (LOS)

\*\* Source of numbers for U.S. : HCUPnet, Healthcare Cost and Utilization Project. Agency for Healthcare Research and Quality, Rockville, MD.

<http://www.ahrq.gov/data/hcup/hcupnet.htm>.

**Table 22b. Top 3 Principal Diagnoses with Corresponding Top 5 Principal Procedures, Louisiana vs. U.S., 1999**

Louisiana						U.S.**				
	Top 5 Principal Procedures by	#	Avg* \$	Avg* LOS	Avg* Age	Top 5 Principal Procedures by	#	Avg* \$	Avg* LOS	Avg* Age
1	<b>Liveborn</b>	<b>35,796</b>	<b>5,464</b>	<b>3.6</b>	<b>0</b>	<b>Liveborn</b>	<b>3,842,832</b>	<b>3,908</b>	<b>3.1</b>	<b>0</b>
	Circumcision	12,665	2,235	2.6	0	Circumcision	1,185,104	1,952	2.4	0
	Prophylactic vaccinations and inoculations	897	2,097	2.5	0	Prophylactic vaccinations and inoculations	208,930	1,841	2.3	0
	Respiratory intubation and mechanical ventilation	681	72,609	23.0	0	Respiratory intubation and mechanical ventilation	87,718	45,827	17.9	0
	Other therapeutic procedures	516	12,640	9.0	0	Other therapeutic procedures	59,305	13,718	8.4	0
	Ophthalmologic and otologic diagnosis and treatment	504	2,711	2.7	0	Ophthalmologic and otologic diagnosis and treatment	29,022	2,494	2.8	0
2	<b>Pneumonia (except that caused by tuberculosis or STDs)</b>	<b>21,277</b>	<b>12,255</b>	<b>5.9</b>	<b>55</b>	<b>Pneumonia (except that caused by tuberculosis or STDs)</b>	<b>1,371,689</b>	<b>13,333</b>	<b>5.9</b>	<b>60</b>
	Respiratory intubation and mechanical ventilation	658	51,015	11.9	61	Respiratory intubation and mechanical ventilation	53,398	47,848	12.1	64
	Diagnostic bronchoscopy and biopsy of bronchus	546	24,455	10.1	63	Diagnostic bronchoscopy and biopsy of bronchus	37,574	25,151	10.0	63
	Other therapeutic procedures	333	8,905	4.9	50	Other therapeutic procedures	25,763	11,887	5.7	59
	Blood transfusion	265	16,772	8.1	71	Other therapeutic procedures	21,382	10,130	4.6	47
	Other vascular catheterization, not heart	257	26,945	11.5	66	Blood transfusion	20,184	15,996	7.4	72
3	<b>Coronary atherosclerosis and other heart disease</b>	<b>18,118</b>	<b>18,023</b>	<b>3.8</b>	<b>64</b>	<b>Coronary atherosclerosis and other heart disease</b>	<b>1,248,183</b>	<b>21,585</b>	<b>3.9</b>	<b>66</b>
	Percutaneous transluminal coronary angioplasty (PTCA)	4,801	24,154	2.5	64	Percutaneous transluminal coronary angioplasty (PTCA)	312,855	23,224	2.3	64
	Diagnostic cardiac catheterization, coronary arteriography	3,520	13,673	3.2	63	Diagnostic cardiac catheterization, coronary arteriography	252,196	12,837	2.9	65
	Coronary artery bypass graft (CABG)	2,761	52,764	7.9	64	Coronary artery bypass graft (CABG)	241,410	48,189	8.1	66
	Cardiac stress tests	106	5,886	2.8	58	Other non-OR therapeutic cardiovascular procedures	18,673	22,464	2.5	63
	Other OR procedures on vessels other than head and neck	100	27,609	4.8	67	Cardiac stress tests	16,357	8,244	2.6	64

\*Avg= Average, average dollars, average length of stay in hospital (LOS)

\*\* Source of numbers for U.S. : HCUPnet, Healthcare Cost and Utilization Project. Agency for Healthcare Research and Quality, Rockville, MD.

<http://www.ahrq.gov/data/hcup/hcupnet.htm>.





# Hospital Inpatient Discharge Data



# PARISH SUMMARY 2000



## Parish Summary

This section summarizes information about inpatient hospital discharges by parish of patient's residence for the year 2000, as illustrated in the charts and tables found in the following pages. All parish percentages for principal diagnoses are derived from the total number of discharges for each parish.

The highest number of discharges in the year 2000 were submitted from the following parishes: Jefferson (42,103), Orleans (41,614), East Baton Rouge (25,347), Caddo (23,099), Ouachita (17,890), Rapides (15,933), Lafayette (15,375), Calcasieu (14,822), St. Tammany (14,150) and St. Landry (11,241) (*Table 23, page 45*).

Table 24 on page 46 shows the proportion of discharges linked to Louisiana's top 5 principal diagnoses for each parish. Of the state's top 5 principal diagnoses, **livebirth** as a percentage of all in-parish discharges is highest in Ascension (17.34%), St. James (15.41%), St. John (14.91%), Iberia (14.94%), and Point Coupee (14.87%) parishes relative to all other parishes; **coronary atherosclerosis and other heart disease** occurs more frequently for residents of Concordia (12.08%), Catahoula (9.41%), La Salle (8.45%), Washington (8.49%), and Vernon (7.56%) parishes; **pneumonia\*** occurs most frequently to Red River (10.20%), Winn (9.94%), Allen (9.08%), West Feliciana (8.36%), and Natchitoches (8.26%) parishes residents; **non-hypertensive congestive heart failure** in Concordia (5.99%), Catahoula (5.36%), La Salle (4.80%), St. Bernard (4.79%), and Bienville (4.53%) parishes; **and nonspecific chest pain** in Terrebonne (3.69%), St. Helena (3.38%), Cameron (3.04%), Tensas (3.00%) and Jefferson Davis (2.91%) parishes.

Table 25 on page 47 shows, for each parish, the percent of in-parish discharges resulting after in-hospital deaths for each of Louisiana's top 5 principal diagnoses. The following parishes have the most discharges resulting in in-hospital deaths, Orleans (1001); Jefferson (800); East Baton Rouge (598); Caddo (593); Rapides (464); Ouachita (457); Lafayette (332); St. Landry (291); Calcasieu (267); and St. Tammany (260). Of Louisiana's top 5 principal diagnoses resulting in in-hospital deaths, **pneumonia\*** is highest in Winn (19.23%), Avoyelles (18.52%), Ascension (15.87%), Lafourche (14.66%), and Grant (14.08%) parishes relative to all parishes discharges resulting in death; **acute cerebrovascular disease** in Tensas (20.00%), La Salle (14.29%), St. Helena (14.29%), St. John (14.15%), and Lincoln (13.18%) parishes; **septicemia** (except in labor) in Tensas (20.00%), Allen (18.92%), West Baton Rouge (14.29%), Lincoln (11.63%), and Lafourche (11.21%) parishes; **non-hypertensive congestive heart failure** in Franklin (17.95%), Caldwell (16.67%), Concordia (15.15%), St. Helena (14.29%), Beauregard (11.11%), and Jackson (11.11%) parishes; and **acute myocardial infarction** in St. Helena (21.43%), West Carroll (12.90%), Assumption (12.50%), Iberville (12.33%), and Beauregard (11.11%) parishes.

The parish with the highest percentage of discharges billed to one type of insurer is not always the same one with the highest average charges for that same insurer. Medicare was charged for 60.25% of all discharges in West Carroll, 56.94% in Claiborne, 55.13% in Morehouse, and 53.97% in Jackson. The highest average charges paid by Medicare were in Orleans (\$ 25, 564). The following parishes have the highest percent of all the bills charged to private insurers: East Baton Rouge (53.47%); St. Charles (52.90%); St. Tammany (52.34%); Livingston (51.62%); and West Baton Rouge (51.59%). The highest average charges paid by a private insurer was in Orleans Parish (\$20, 853). Medicaid was billed for 29.37% of all discharges in Acadia, 29.08% in Washington, 28.64% in Pointe Coupee, 28.20% in Iberia and 26.66% in Evangeline. The highest average charges paid by Medicaid were in Beauregard (\$16,498).

State maps showing the distribution of affective disorders, diseases of the respiratory system, and diseases of the circulatory system are presented by parish in *Charts 5a-c, page 52*.

*Chart 6 on page 53* is a map that shows the distribution of the top three most common diagnoses requiring hospitalization in each parish.

*\* Except that caused by tuberculosis or STDs*

**Table 23. Hospital Inpatient Discharges by Parish,  
Louisiana, 1998-2000**

Parish	1998		1999		2000	
	# of Discharges	% of total Discharges	# of Discharges	% of total Discharges	# of Discharges	% of total Discharges
ACADIA	3983	0.84	5750	1.21	5168	1.02
ALLEN	1295	0.27	1643	0.34	1355	0.27
ASCENSION	6035	1.28	6242	1.31	4705	0.93
ASSUMPTION	3140	0.67	2865	0.60	1708	0.34
AVOYELLES	4702	1.00	5340	1.12	4667	0.92
BEAUREGARD	869	0.18	843	0.18	624	0.12
BIENVILLE	1046	0.22	1007	0.21	1435	0.28
BOSSIER	3913	0.83	5744	1.20	8087	1.60
CADDO	16890	3.58	12903	2.71	23099	4.56
CALCASIEU	10564	2.24	16688	3.50	14822	2.93
CALDWELL	843	0.18	835	0.18	772	0.15
CAMERON	684	0.15	640	0.13	494	0.10
CATAHOULA	696	0.15	1392	0.29	1456	0.29
CLAIBORNE	1140	0.24	1328	0.28	1384	0.27
CONCORDIA	1254	0.27	1599	0.34	1352	0.27
DESOTO	1105	0.23	1011	0.21	2027	0.40
EAST BATON ROUGE	27419	5.81	30136	6.32	25347	5.01
EAST CARROLL	643	0.14	596	0.12	509	0.10
EAST FELICIANA	2166	0.46	2696	0.57	2225	0.44
EVANGELINE	10455	2.22	8332	1.75	5972	1.18
FRANKLIN	3790	0.80	1927	0.40	1524	0.30
GRANT	1996	0.42	2438	0.51	2095	0.41
IBERIA	4588	0.97	5560	1.17	5081	1.00
IBERVILLE	1848	0.39	3066	0.64	2690	0.53
JACKSON	784	0.17	1763	0.37	1549	0.31
JEFFERSON	34680	7.35	44161	9.26	<b>42103</b>	<b>8.32</b>
JEFFERSON DAVIS	9173	1.94	3811	0.80	2822	0.56
LASALLE	2022	0.43	2003	0.42	1834	0.36
LAFAYETTE	10024	2.13	16170	3.39	15375	3.04
LAFOURCHE	5764	1.22	7801	1.64	5626	1.11
LINCOLN	1183	0.25	4044	0.85	4063	0.80
LIVINGSTON	4116	0.87	5966	1.25	6193	1.22
MADISON	435	0.09	371	0.08	276	0.05
MOREHOUSE	590	0.13	2129	0.45	2360	0.47
NATCHITOCHE	1832	0.39	4072	0.85	3621	0.72
ORLEANS	<b>42114</b>	<b>8.93</b>	<b>57039</b>	<b>11.96</b>	41614	8.22
OUACHITA	21379	4.53	21304	4.47	17890	3.53
PLAQUEMINES	2614	0.55	2784	0.58	2361	0.47
POINTE COUPEE	3415	0.72	2587	0.54	1372	0.27
RAPIDES	16112	3.42	19010	3.99	15933	3.15
RED RIVER	2653	0.56	1268	0.27	2157	0.43
RICHLAND	2381	0.50	2070	0.43	1734	0.34
SABINE	2472	0.52	2260	0.47	2238	0.44
ST. BERNARD	12496	2.65	11378	2.39	9555	1.89
ST. CHARLES	4497	0.95	4695	0.98	3777	0.75
ST. HELENA	4118	0.87	1916	0.40	769	0.15
ST. JAMES	1440	0.31	1544	0.32	1129	0.22
ST. JOHN	4871	1.03	5295	1.11	4238	0.84
ST. LANDRY	13364	2.83	13975	2.93	11241	2.22
ST. MARTIN	4595	0.97	5269	1.10	4029	0.80
ST. MARY	4680	0.99	6719	1.41	5787	1.14
ST. TAMMANY	12404	2.63	15736	3.30	14150	2.80
TANGIPAHOA	10257	2.17	8585	1.80	10052	1.99
TENSAS	488	0.10	532	0.11	400	0.08
TERREBONNE	9073	1.92	10047	2.11	4956	0.98
UNION	3259	0.69	4558	0.96	3965	0.78
VERMILION	4992	1.06	6798	1.43	6050	1.20
VERNON	5684	1.21	5726	1.20	4487	0.89
WASHINGTON	7153	1.52	8281	1.74	3617	0.71
WEBSTER	5582	1.18	5378	1.13	4627	0.91
WEST BATON ROUGE	3916	0.83	2589	0.54	1411	0.28
WEST CARROLL	904	0.19	956	0.20	800	0.16
WEST FELICIANA	2014	0.43	1379	0.29	813	0.16
WINN	2943	0.62	3189	0.67	2546	0.50
<b>All Discharges</b>	<b>471636</b>	<b>100.00</b>	<b>476956</b>	<b>100.00</b>	<b>506214</b>	<b>100.00</b>

**Table 24. Percentage of Total Parish Discharges for Louisiana's Top 5 Principal Diagnoses, Louisiana, 2000**

Parish	Liveborn	Coronary atherosclerosis and other heart disease	Pneumonia (except that caused by tuberculosis or STDs)	Congestive heart failure, nonhypertensive	Nonspecific chest pain	Total # of Discharges by Parish
ACADIA	5.09	3.35	6.17	3.04	1.63	5168
ALLEN	7.45	4.65	9.08	2.29	1.70	1355
ASCENSION	<b>17.34</b>	1.74	3.46	2.47	1.47	4705
ASSUMPTION	8.02	3.51	4.63	2.99	0.70	1708
AVOYELLES	8.38	4.48	6.66	4.11	1.29	4667
BEAUREGARD	10.42	4.33	3.85	2.24	2.72	624
BIENVILLE	3.55	3.69	6.55	4.53	2.86	1435
BOSSIER	9.89	3.38	4.20	2.09	1.89	8087
CADDO	7.42	3.00	2.91	2.90	1.96	23099
CALCASIEU	11.81	3.18	4.23	2.71	2.64	14822
CALDWELL	4.27	6.09	2.59	4.02	1.68	772
CAMERON	11.54	3.44	3.04	2.43	3.04	494
CATAHOULA	4.95	9.41	3.78	5.36	1.79	1456
CLAIBORNE	3.18	4.26	3.25	2.75	1.81	1384
CONCORDIA	0.30	<b>12.06</b>	6.51	<b>5.99</b>	2.59	1352
DESOTO	7.84	4.14	3.85	1.87	2.02	2027
EAST BATON ROUGE	13.24	1.66	3.63	2.45	1.53	25347
EAST CARROLL	1.18	4.91	3.54	3.54	2.55	509
EAST FELICIANA	8.45	1.75	5.98	3.15	2.61	2225
EVANGELINE	5.27	4.50	5.61	3.47	1.07	5972
FRANKLIN	4.13	5.84	2.43	3.41	2.23	1524
GRANT	8.31	6.30	5.97	3.48	1.86	2095
IBERIA	14.94	5.14	2.54	2.74	1.46	5081
IBERVILLE	10.82	3.01	4.50	3.68	2.19	2690
JACKSON	1.61	5.75	4.20	4.45	1.94	1549
JEFFERSON	11.41	3.72	3.07	3.58	2.05	42103
JEFFERSON DAVIS	7.44	4.00	5.21	1.95	2.91	2822
LASALLE	6.65	8.45	6.22	4.80	2.29	1834
LAFAYETTE	13.46	3.79	3.03	2.15	0.90	15375
LAFOURCHE	4.94	4.59	5.05	4.23	2.90	5626
LINCOLN	1.72	3.13	3.99	3.96	1.72	4063
LIVINGSTON	14.68	2.41	3.34	3.20	2.03	6193
MADISON	3.26	3.99	2.54	1.45	0.72	276
MOREHOUSE	2.42	6.65	2.29	3.35	2.46	2360
NATCHITOCHES	3.07	6.27	8.26	2.79	2.04	3621
ORLEANS	6.84	2.97	3.02	4.21	1.75	41614
OUACHITA	5.04	3.88	3.99	3.64	2.43	17890
PLAQUEMINES	12.71	3.22	2.63	4.32	2.84	2361
POINTE COUPEE	14.87	2.33	2.99	2.41	1.68	1372
RAPIDES	8.17	5.89	4.34	3.33	1.98	15933
RED RIVER	6.54	3.71	<b>10.20</b>	3.38	1.16	2157
RICHLAND	5.54	6.00	3.69	2.94	2.54	1734
SABINE	5.14	4.92	5.63	4.29	2.23	2238
ST. BERNARD	5.81	6.28	4.31	4.79	2.72	9555
ST. CHARLES	13.74	3.23	2.65	2.70	1.59	3777
ST. HELENA	5.98	2.99	4.29	3.12	3.38	769
ST. JAMES	15.41	3.99	3.45	2.66	1.42	1129
ST. JOHN	14.91	3.35	2.90	3.07	1.44	4238
ST. LANDRY	6.60	6.17	4.79	2.89	1.57	11241
ST. MARTIN	13.01	3.95	2.46	2.73	1.07	4029
ST. MARY	11.04	4.27	3.18	2.94	1.21	5787
ST. TAMMANY	8.23	4.89	3.98	3.39	2.73	14150
TANGIPAHOA	6.77	3.42	3.53	4.39	1.88	10052
TENSAS	0.50	7.00	4.25	4.50	3.00	400
TERREBONNE	9.34	1.47	3.93	2.56	<b>3.69</b>	4956
UNION	2.55	4.19	4.54	4.34	1.66	3965
VERMILION	10.28	3.75	3.98	3.09	1.19	6050
VERNON	5.48	7.56	5.95	2.79	2.45	4487
WASHINGTON	1.82	8.49	4.15	3.73	1.33	3617
WEBSTER	3.41	3.78	3.83	3.52	1.51	4627
WEST BATON ROUGE	13.39	2.69	3.05	2.62	1.77	1411
WEST CARROLL	2.75	6.50	2.13	3.13	2.13	800
WEST FELICIANA	11.44	1.11	8.36	2.83	1.35	813
WINN	2.63	5.70	9.94	2.79	2.36	2546

**Table 25. Percentage of Total Parish Discharges for Louisiana's Top 5 Principal Diagnoses resulting in In-Hospital Death, Louisiana, 2000**

Parish	Pneumonia (except that caused by tuberculosis or STDs)	Acute cerebrovascular disease	Septicemia (except in labor)	Congestive heart failure, nonhypertensive	Acute myocardial infarction	Total # of discharges by Parish
ACADIA	10.74	7.44	4.96	9.09	6.61	121
ALLEN	8.11	0.00	18.92	5.41	2.70	37
ASCENSION	15.87	9.52	4.76	1.59	4.76	63
ASSUMPTION	2.50	12.50	10.00	2.50	12.50	40
AVOYELLES	18.52	6.17	8.02	7.41	4.94	162
BEAUREGARD	11.11	0.00	11.11	11.11	11.11	***
BIENVILLE	8.57	2.86	5.71	8.57	2.86	35
BOSSIER	11.41	8.70	5.98	4.35	7.61	184
CADDO	7.93	9.61	6.24	5.40	5.90	593
CALCASIEU	5.99	7.87	7.87	9.36	6.37	267
CALDWELL	8.33	8.33	0.00	16.67	0.00	***
CAMERON	10.00	10.00	10.00	0.00	10.00	***
CATAHOULA	8.82	5.88	5.88	8.82	2.94	34
CLAIBORNE	7.69	11.54	7.69	3.85	7.69	52
CONCORDIA	12.12	6.06	9.09	15.15	9.09	33
DESOTO	4.65	11.63	0.00	6.98	4.65	43
EAST BATON ROUGE	10.70	6.69	8.53	4.01	6.86	598
EAST CARROLL	9.09	9.09	4.55	4.55	9.09	***
EAST FELICIANA	10.77	7.69	9.23	1.54	6.15	65
EVANGELINE	8.61	8.61	9.93	3.97	3.97	151
FRANKLIN	7.69	10.26	7.69	17.95	7.69	39
GRANT	14.08	8.45	8.45	7.04	1.41	71
IBERIA	10.00	3.00	9.00	8.00	5.00	100
IBERVILLE	8.22	5.48	8.22	5.48	12.33	73
JACKSON	6.67	2.22	6.67	11.11	4.44	45
JEFFERSON	7.38	7.38	4.88	7.63	6.75	800
JEFFERSON DAVIS	5.88	3.92	5.88	3.92	3.92	51
LASALLE	11.90	14.29	2.38	4.76	9.52	42
LAFAYETTE	10.24	7.83	6.63	5.72	5.42	332
LAFOURCHE	14.66	8.62	11.21	9.48	2.59	116
LINCOLN	11.63	13.18	11.63	3.10	6.20	129
LIVINGSTON	6.19	4.42	5.31	9.73	8.85	113
MADISON	0.00	12.50	12.50	0.00	0.00	***
MOREHOUSE	1.72	5.17	10.34	8.62	5.17	58
NATCHITOCHES	8.79	3.30	5.49	3.30	4.40	91
ORLEANS	7.59	6.99	7.99	5.99	6.79	1001
OUACHITA	11.38	5.91	7.88	8.10	8.10	457
PLAQUEMINES	6.38	6.38	2.13	10.64	4.26	47
POINTE COUPEE	12.00	12.00	4.00	0.00	8.00	***
RAPIDES	9.91	7.11	9.05	6.68	5.82	464
RED RIVER	8.33	1.67	10.00	10.00	5.00	60
RICHLAND	10.20	8.16	4.08	4.08	6.12	49
SABINE	9.09	7.27	3.64	9.09	7.27	55
ST. BERNARD	12.45	5.84	8.95	9.73	5.84	257
ST. CHARLES	10.45	7.46	8.96	5.97	11.94	67
ST. HELENA	7.14	14.29	7.14	14.29	21.43	14
ST. JAMES	8.00	4.00	4.00	4.00	8.00	25
ST. JOHN	13.21	14.15	8.49	3.77	7.55	106
ST. LANDRY	10.31	8.93	10.31	7.22	4.12	291
ST. MARTIN	1.02	9.18	5.10	6.12	8.16	98
ST. MARY	12.98	9.16	5.34	4.58	2.29	131
ST. TAMMANY	8.08	6.54	4.23	8.08	9.23	260
TANGIPAHOA	6.02	9.24	6.02	8.84	6.83	249
TENSAS	13.33	20.00	20.00	0.00	0.00	***
TERREBONNE	12.66	7.59	7.59	6.33	8.86	79
UNION	7.92	3.96	4.95	7.92	8.91	101
VERMILION	8.80	3.20	5.60	8.00	6.40	125
VERNON	9.71	6.80	9.71	5.83	6.80	103
WASHINGTON	10.59	8.24	4.71	8.24	7.06	85
WEBSTER	6.98	3.10	8.53	3.88	6.20	129
WEST BATON ROUGE	8.57	2.86	14.29	2.86	2.86	35
WEST CARROLL	0.00	6.45	3.23	9.68	12.90	31
WEST FELICIANA	12.50	0.00	0.00	0.00	8.33	***
WINN	19.23	3.85	7.69	2.56	3.85	78

\*\*\* means value < 30

**Table 26. Average Charges and Source of Charges by Parish,  
Louisiana, 2000**

Parish	Medicare		Private		Medicaid		No Charge ( Free, Charity, Sp. Research, Teaching)		CHAMPUS	
	%	Avg* \$	%	Avg* \$	%	Avg* \$	%	Avg* \$	%	Avg* \$
ACADIA	35.31	11,958	26.35	7,015	29.37	6,491	0.04	4,998	0.60	7,948
ALLEN	46.72	12,491	28.12	10,018	17.49	6,537	1.25	10,699	1.03	12,404
ASCENSION	13.92	14,268	49.42	7,914	17.49	8,095	1.06	11,041	0.51	9,462
ASSUMPTION	30.39	11,752	29.45	7,404	16.04	7,264	1.99	18,713	0.23	13,493
AVOUELLES	51.60	14,561	22.97	9,815	20.61	7,360	1.05	5,854	0.62	14,195
BEAUREGARD	38.14	13,220	39.42	8,439	14.10	16,498	0.00	-	0.64	10,845
BIENVILLE	56.31	13,224	18.68	9,943	15.96	6,453	0.07	2,641	0.98	12,497
BOSSIER	45.05	14,231	24.03	9,128	14.36	7,305	0.00	-	9.06	7,557
CADDO	51.55	13,933	18.76	10,604	21.88	7,145	0.01	6,555	1.87	9,352
CALCASIEU	36.55	12,143	35.78	8,563	21.16	6,404	0.02	13,556	0.56	11,488
CALDWELL	46.50	20,122	35.62	15,220	11.01	10,299	1.68	7,205	0.65	12,684
CAMERON	35.63	13,812	39.27	8,504	17.61	6,899	0.00	-	0.40	11,788
CATAHOULA	44.64	15,725	24.52	12,215	17.31	7,373	1.44	5,284	6.59	9,230
CLAIBORNE	56.94	15,862	16.26	10,974	15.03	10,823	0.72	4,618	0.51	8,250
CONCORDIA	42.83	13,004	19.60	10,385	19.38	9,868	0.67	5,129	14.13	8,802
DESOTO	50.52	14,510	20.08	7,764	19.83	6,309	0.00	-	1.18	21,481
EAST BATON ROUGE	9.21	13,143	53.47	10,364	18.15	7,487	1.48	8,668	0.79	11,799
EAST CARROLL	53.24	20,977	18.66	14,585	20.43	12,469	1.38	8,450	0.39	18,336
EAST FELICIANA	34.92	10,954	34.56	8,322	19.10	7,036	2.61	10,329	0.40	10,626
EVANGELINE	47.59	14,449	18.75	9,651	26.66	7,822	0.15	6,931	0.35	7,255
FRANKLIN	44.55	19,252	27.89	13,039	19.09	7,982	1.90	3,998	0.92	28,599
GRANT	44.20	15,829	32.17	9,178	17.23	7,379	0.62	5,546	1.38	11,968
IBERIA	37.43	14,922	30.27	9,749	28.20	7,436	0.02	4,647	0.37	8,584
IBERVILLE	23.09	12,217	37.62	10,110	23.12	7,133	2.94	11,540	0.00	-
JACKSON	53.97	15,113	27.37	9,724	12.20	7,227	0.65	6,434	0.65	27,920
JEFFERSON	28.05	21,779	48.26	16,151	19.64	11,848	0.40	9,152	0.32	15,986
JEFFERSON DAVIS	34.62	11,228	29.59	8,788	22.18	5,295	0.00	-	0.71	9,623
LASALLE	43.35	14,966	24.43	9,466	16.68	6,878	0.55	3,871	0.60	16,475
LAFALETTE	30.56	17,097	45.20	9,617	18.02	7,936	0.12	13,262	1.14	15,936
LAFOURCHE	36.24	11,381	38.61	9,224	18.04	7,686	1.90	8,967	0.60	6,450
LINCOLN	47.13	12,758	28.43	8,220	16.27	7,576	0.52	5,885	0.74	8,057
LIVINGSTON	18.46	15,001	51.62	10,255	18.71	8,522	1.11	6,444	0.76	10,044
MADISON	38.41	20,040	25.36	13,697	22.46	10,674	5.80	6,437	0.72	20,471
MOREHOUSE	55.13	22,676	25.21	14,220	11.74	13,921	1.31	5,686	0.59	10,789
NATCHITOCHES	33.22	15,964	13.64	14,162	22.84	5,035	0.03	6,016	17.12	5,262
ORLEANS	33.75	25,564	33.16	20,839	26.59	12,586	1.06	10,678	0.12	10,828
OUACHITA	45.20	17,539	34.70	11,859	11.90	8,837	1.32	6,709	0.48	10,608
PLAQUEMINES	22.91	25,060	48.84	18,278	25.24	11,880	0.30	6,755	0.51	5,491
POINTE COUPEE	10.79	14,752	37.83	10,089	28.64	6,486	1.53	7,295	0.73	9,230
RAPIDES	44.38	15,086	29.49	10,749	19.78	8,564	0.83	6,343	1.67	13,101
RED RIVER	53.69	10,948	21.46	6,169	18.54	5,645	0.00	-	1.25	11,601
RICHLAND	46.02	20,597	28.43	11,029	18.34	8,116	1.90	5,497	0.29	11,206
SABINE	53.57	14,085	19.48	9,403	15.91	6,220	0.00	-	2.64	8,763
ST. BERNARD	43.75	21,481	39.60	16,830	13.67	11,206	0.29	8,186	0.18	10,137
ST. CHARLES	23.06	20,901	52.90	12,712	18.27	9,026	0.66	11,171	0.13	17,435
ST. HELENA	12.87	15,863	18.08	12,827	18.73	13,063	1.69	8,806	0.13	10,440
ST. JAMES	26.13	24,355	40.04	15,083	26.04	7,091	0.53	13,168	0.09	13,528
ST. JOHN	20.53	20,653	50.78	13,399	24.87	9,121	0.64	8,377	0.19	24,443
ST. LANDRY	38.44	15,301	25.46	10,232	25.48	9,167	0.12	7,392	1.97	7,628
ST. MARTIN	29.83	15,728	42.47	10,097	22.46	8,201	0.05	15,781	0.42	12,441
ST. MARY	24.36	13,898	18.77	11,645	16.61	8,340	1.18	9,275	0.29	18,864
ST. TAMMANY	28.20	21,101	52.34	18,339	14.54	12,122	0.27	8,007	0.28	21,239
TANGIPAHOA	40.51	16,225	29.22	12,317	25.82	11,565	1.28	7,711	0.25	9,191
TENSAS	41.50	17,051	19.00	15,326	24.50	8,918	2.25	4,021	8.50	8,445
TERREBONNE	30.21	10,350	41.95	6,954	18.70	7,332	3.93	7,341	0.59	10,332
UNION	50.21	15,678	32.79	9,966	10.06	8,353	0.78	5,480	0.53	11,077
VERMILION	37.47	11,566	29.09	7,136	25.65	5,676	0.12	18,459	0.31	9,410
VERNON	46.76	12,990	28.88	11,097	15.15	8,082	0.42	6,521	4.72	14,180
WASHINGTON	43.13	16,566	22.97	20,853	29.08	13,912	0.64	9,932	0.25	18,825
WEBSTER	53.12	13,619	18.44	9,965	14.35	7,647	0.00	-	0.78	12,037
WEST BATON ROUGE	6.52	12,822	51.59	11,144	20.77	8,094	2.20	7,554	0.43	6,936
WEST CARROLL	60.25	24,927	21.50	13,189	12.25	8,078	0.63	4,872	0.13	18,152
WEST FELICIANA	24.97	12,060	39.24	7,894	21.40	6,442	4.67	17,640	0.49	22,230
WINN	52.55	12,339	22.03	11,696	17.05	6,714	0.63	7,911	1.57	8,898
By Primary Payers	33.15	15,892	33.44	12,404	20.21	9,309	3.32	8,461	1.10	10,456

\*Avg \$=Average dollars

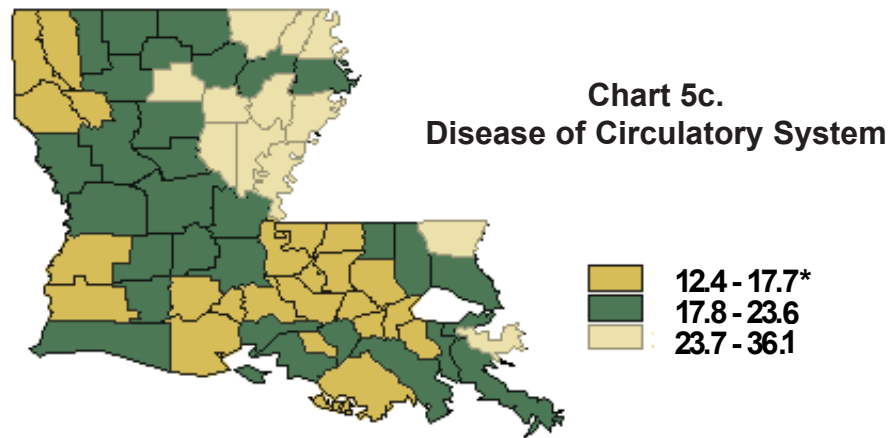
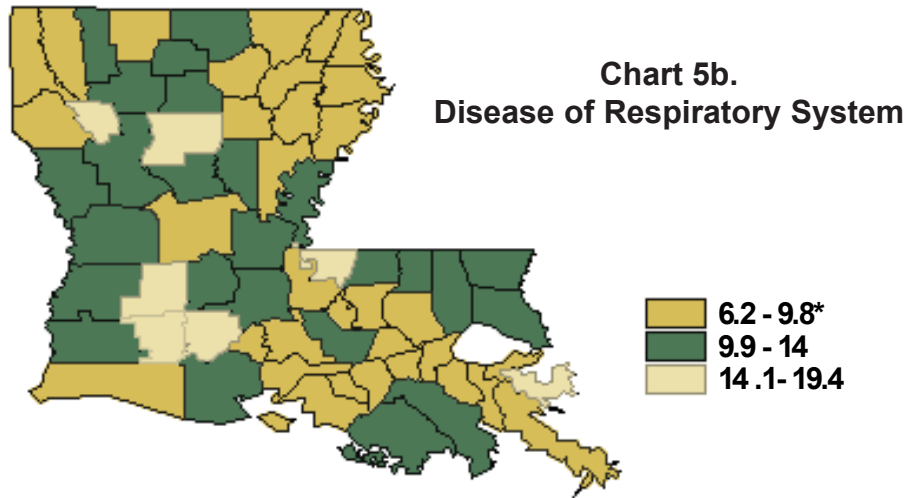
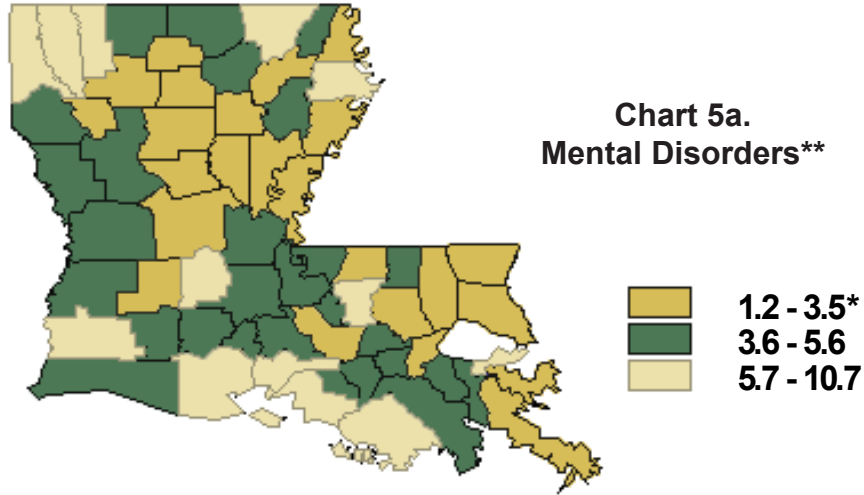
**Table 26. (Cont.) Average Charges and Source of Charges by Parish, Louisiana, 2000**

Parish	Self Pay		Workers Comp		Self Insured		Other / Unknown		Total # of Discharges by Parish
	%	Avg* \$	%	Avg* \$	%	Avg* \$	%	Avg* \$	Total #
ACADIA	4.49	4,574	1.10	14,242	0.02	12,503	2.71	6,518	5168
ALLEN	2.66	6,174	0.74	20,490	0.00	-	1.99	5,512	1355
ASCENSION	2.57	7,083	0.68	32,196	0.23	2,876	14.11	809	4705
ASSUMPTION	0.64	4,209	0.53	8,022	0.00	-	20.73	3,431	1708
AVOUELLES	1.22	12,033	0.66	16,920	0.02	2,324	1.24	6,947	4667
BEAUREGARD	3.21	8,322	1.60	11,778	0.00	-	2.88	3,738	624
BIENVILLE	1.88	4,131	0.42	11,741	0.07	1,623	5.64	10,199	1435
BOSSIER	4.76	1,729	0.38	8,718	0.00	-	2.36	7,911	8087
CADDO	4.43	1,335	0.39	49,164	0.00	-	1.11	11,004	23099
CALCASIEU	2.36	8,644	0.53	14,694	0.00	-	3.03	6,030	14822
CALDWELL	1.30	4,679	0.52	25,825	0.00	-	2.72	7,611	772
CAMERON	4.05	7,248	0.40	4,826	0.00	-	2.63	2,296	494
CATAHOULA	1.03	13,026	1.10	12,855	0.00	-	3.37	8,797	1456
CLAIBORNE	2.10	6,380	0.51	9,493	0.00	-	7.95	9,523	1384
CONCORDIA	0.52	8,485	0.44	15,969	0.00	-	2.44	2,629	1352
DESOTO	6.96	396	0.69	11,309	0.00	-	0.74	8,642	2027
EAST BATON ROUGE	1.07	6,833	0.34	15,401	0.20	1,762	15.29	1,269	25347
EAST CARROLL	1.57	10,611	0.79	17,425	0.00	-	3.54	13,682	509
EAST FELICIANA	1.44	8,134	0.36	7,814	0.13	1,811	6.47	2,151	2225
EVANGELINE	1.47	8,445	0.54	16,544	0.08	2,380	4.40	4,432	5972
FRANKLIN	1.31	10,574	0.59	53,389	0.07	8,477	3.67	10,581	1524
GRANT	2.05	11,574	0.81	11,084	0.05	5,209	1.48	9,263	2095
IBERIA	1.91	7,682	0.79	11,478	0.00	-	1.00	9,453	5081
IBERVILLE	2.53	8,143	0.22	32,242	0.00	-	10.48	1,044	2690
JACKSON	1.48	9,912	0.52	9,624	0.00	-	3.16	5,957	1549
JEFFERSON	1.61	9,510	0.33	18,728	0.00	-	1.40	12,928	42103
JEFFERSON DAVIS	4.46	4,648	0.67	11,155	0.00	-	7.76	3,049	2822
LASALLE	1.96	10,939	0.76	14,607	0.00	-	11.67	7,164	1834
LAFAYETTE	2.97	7,162	0.77	11,721	0.00	-	1.22	4,921	15375
LAFOURCHE	1.99	7,637	1.10	8,217	0.00	-	1.51	11,369	5626
LINCOLN	4.55	5,817	0.69	10,440	0.02	14,529	1.65	10,711	4063
LIVINGSTON	1.70	12,110	0.48	18,236	0.23	2,480	6.93	1,880	6193
MADISON	0.72	66,942	0.00	-	0.00	-	6.52	9,128	276
MOREHOUSE	1.23	12,445	0.59	15,287	0.00	-	4.19	9,598	2360
NATCHITOCHES	0.94	7,404	0.14	12,648	0.00	-	12.07	3,023	3621
ORLEANS	1.57	13,677	0.28	20,594	0.00	-	3.47	10,058	41614
OUACHITA	2.05	9,879	0.42	15,475	0.21	9,370	3.74	8,813	17890
PLAQUEMINES	0.47	5,952	0.21	20,181	0.00	-	1.52	10,891	2361
POINTE COUPEE	1.09	4,649	0.36	27,057	0.15	1,128	18.88	1,221	1372
RAPIDES	2.35	10,639	0.61	17,425	0.00	-	0.90	6,086	15933
RED RIVER	4.08	4,746	0.14	13,966	0.00	-	0.83	7,376	2157
RICHLAND	0.98	9,694	0.46	16,445	0.00	-	3.58	7,697	1734
SABINE	4.38	3,633	0.89	13,358	0.00	-	3.13	7,550	2238
ST. BERNARD	0.84	7,409	0.59	16,943	0.00	-	1.09	13,694	9555
ST. CHARLES	2.91	6,211	0.50	16,105	0.00	-	1.56	8,520	3777
ST. HELENA	0.52	23,099	0.00	-	0.00	-	47.98	76	769
ST. JAMES	1.15	3,850	0.89	10,780	0.00	-	5.14	1,184	1129
ST. JOHN	0.68	5,433	0.83	19,596	0.00	-	1.49	9,001	4238
ST. LANDRY	3.85	7,526	0.50	11,178	0.64	5,642	3.53	6,628	11241
ST. MARTIN	2.58	10,451	1.07	14,022	0.05	5,253	1.07	7,366	4029
ST. MARY	1.40	9,341	0.64	10,691	0.03	2,294	36.72	5,584	5787
ST. TAMMANY	0.87	18,396	0.58	24,320	0.37	-	2.54	10,601	14150
TANGIPAHOA	0.28	13,427	0.56	17,716	0.04	763	2.05	6,355	10052
TENSAS	0.50	18,434	0.75	56,600	0.00	-	3.00	7,906	400
TERREBONNE	1.05	7,830	0.93	15,439	0.04	2,204	2.60	11,204	4956
UNION	2.14	9,674	0.45	10,158	0.23	7,976	2.80	8,435	3965
VERMILION	5.32	5,307	0.71	10,988	0.00	-	1.32	4,862	6050
VERNON	2.14	8,885	0.94	19,962	0.00	-	0.98	10,308	4487
WASHINGTON	1.44	11,333	0.86	22,505	0.19	-	1.44	10,417	3617
WEBSTER	2.59	3,322	0.39	21,203	0.00	-	10.33	10,369	4627
WEST BATON ROUGE	0.92	4,652	0.43	11,018	0.07	1,086	17.08	1,318	1411
WEST CARROLL	1.63	8,534	0.63	17,061	0.25	3,801	2.75	7,308	800
WEST FELICIANA	0.98	12,030	0.25	9,514	0.25	2,397	7.75	1,457	813
WINN	3.10	6,695	0.75	9,612	0.00	-	2.32	5,298	2546
By Primary Payers	2.09	7,349	0.53	16,653	0.07	3,936	6.11	7,191	506214

\*Avg \$=Average dollars

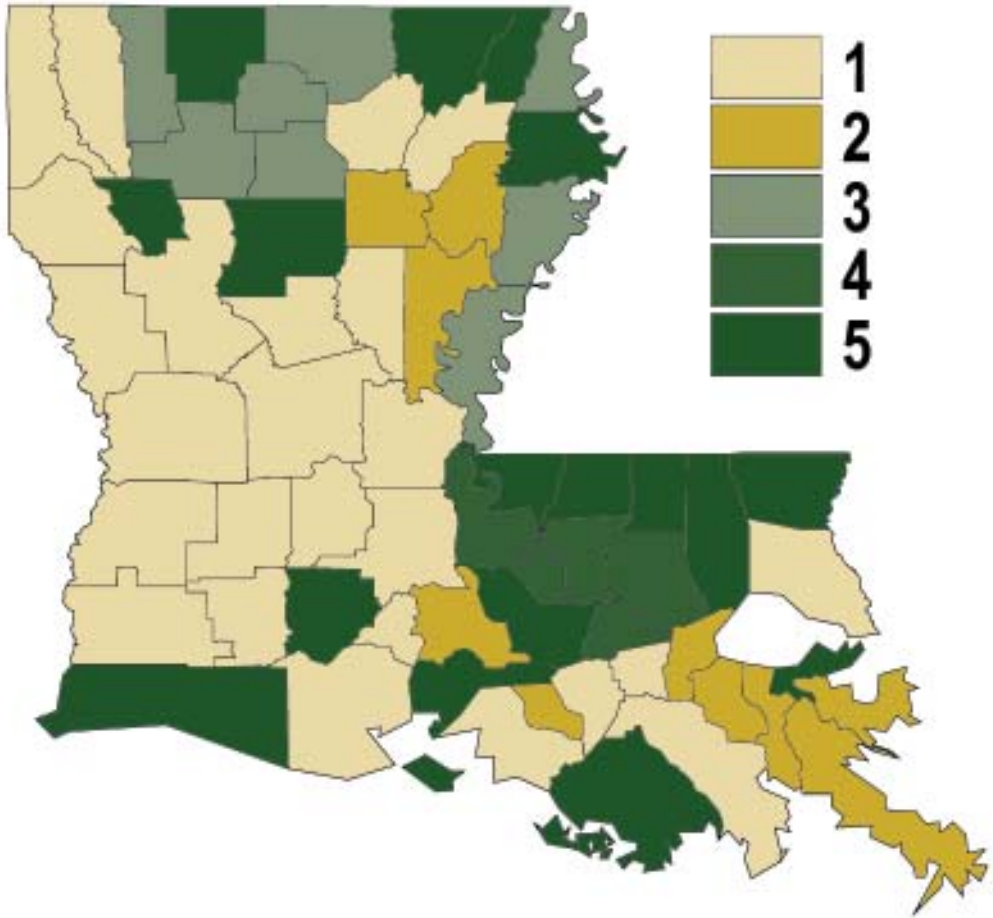


Chart 5a-5c. Distribution of Selected Diseases by Parish, Louisiana, 2000



\* Values indicate % of all discharges by parish  
\*\* Represents Affective Disorders  
Note: Discharges are classified by zip code of patient's residence

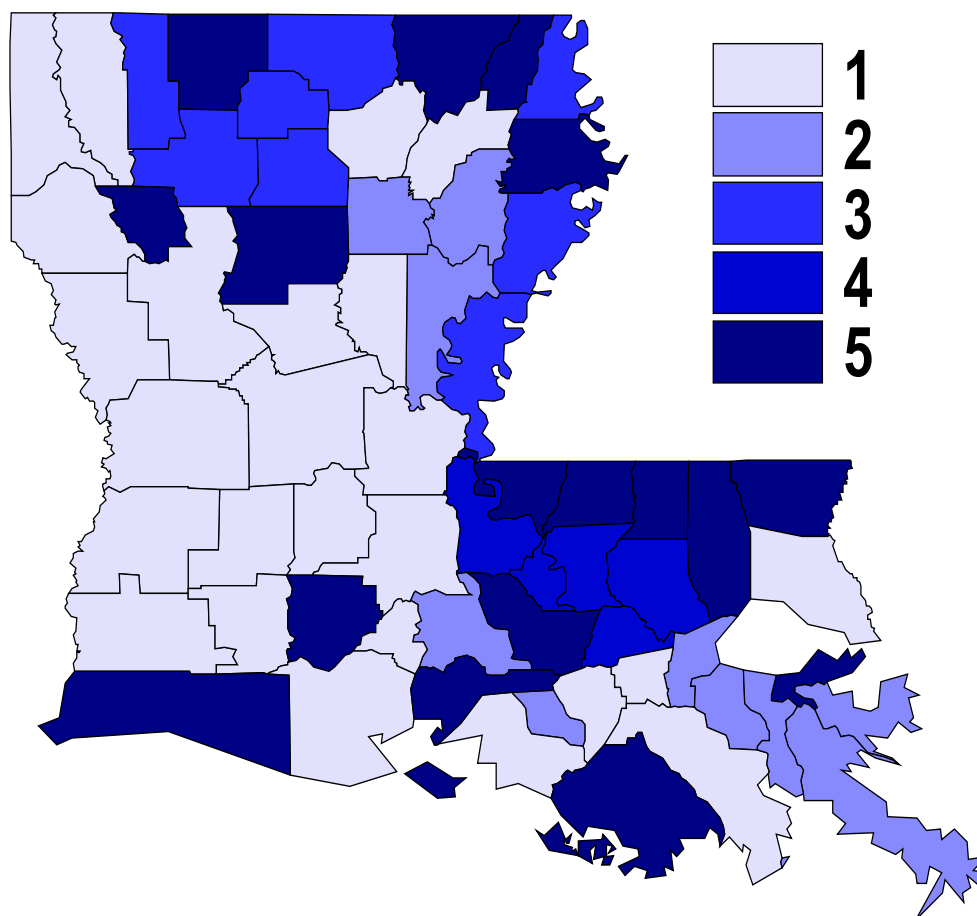
Chart 6. Parish Top 3 Principal Diagnoses Hospital Discharges, Louisiana, 2000



Reference: 1: Liveborn; coronary atherosclerosis and other heart diseases; pneumonia (except that caused by TB or STDs)  
2: Liveborn; coronary atherosclerosis and other heart diseases; congestive heart failure non- hypertensive  
3: Coronary atherosclerosis and other heart diseases; pneumonia (except that caused by TB or STDs); congestive heart failure  
4: Liveborn; pneumonia (except that caused by TB or STDs); other complications of birth and the puerperium  
5: Other top 3 principal diagnosis discharges

Note: for original data see appendix, Table 30.

**Chart 6. Parish Top 3 Principal Diagnoses Hospital Discharges,  
Louisiana, 2000**



Reference: 1: Liveborn; coronary atherosclerosis and other heart diseases; pneumonia (except that caused by TB or STDs)  
 2: Liveborn; coronary atherosclerosis and other heart diseases; congestive heart failure non- hypertensive  
 3: Coronary atherosclerosis and other heart diseases; pneumonia (except that caused by TB or STDs); congestive heart failure  
 4: Liveborn; pneumonia (except that caused by TB or STDs); other complications of birth and the puerperium  
 5: Other top 3 principal diagnosis discharges

Note: for original data see appendix, Table 30.







# **Hospital Inpatient Discharge Data**



# **TECHNICAL NOTES 1998 ~ 2000**

## Technical Notes

In December 1998, the State Health Care Data Clearinghouse began collecting data related to hospital inpatient discharges which occurred in Louisiana's licensed hospitals. The information was submitted from acute care, long-term care, psychiatric, rehabilitation, and specialty hospitals.

The Louisiana Hospital Inpatient Discharge Database (LAHIDD) is based on the Health Care Financing Administration (HCFA) Uniform Billing-92 information. LAC 48:V. Chapter 151. Section 15125 lists the required elements for LAHIDD submission.

- Data Submission Response Rate for Each Data Collection Period:

<b>Period</b>	<b># of hospitals</b>	<b># of beds</b>	<b>% of beds</b>
Jan 98 – Jun 98	90	15336	58.61
Jul 98 – Dec 98	100	18732	71.59
Jan 99 – Mar 99	100	17936	68.55
Apr 99 – Jun 99	97	16344	62.47
Jul 99 – Sep 99	95	15780	60.31
Oct 99 – Dec 99	103	17256	65.95
Jan 00 – Mar 00	104	18427	70.43
Apr 00 – Jun 00	95	17720	67.73
Jul 00 – Sep 00	94	18292	69.91
Oct 00 – Dec 00	86	16601	63.45

The data used in this report are based on those inpatient discharge records that have bill type '111' or '121', which represents a complete admission (admit through discharge) record, and does not include a partial or interim billing record.

Beyond basic data cleaning procedures, information included in this report has not been adjusted and reflects the original data submitted.

- Data Collection, Cleaning, and Selection:

<b>Year</b>	<b>LAHIDD Collection</b>	<b>Edited and Logic Checked Data after LAHIDD Collection</b>		<b>Selected Bill Types '111' or '121' after Editing and Checking LAHIDD</b>	
	<b># of discharges</b>	<b># of discharges</b>	<b>% of total discharges after editing/logic checking</b>	<b># of discharges</b>	<b>% of edited and logic checked discharges after selecting bill types '111' or '121'</b>
1998	548330	478433	87.25	471636	98.58
1999	537994	482465	89.68	476956	98.86
2000	627566	525623	83.76	506214	96.31

## Diagnoses and procedures classification:

The diagnosis and procedures groupings used in this report were generated by using the Clinical Classifications Software (CCS) developed by the Agency for Healthcare Research and Quality (AHRQ). CCS aggregates the 4,290 procedures and the 15,298 diseases codes according to the International Classification of Diseases, 9<sup>th</sup> Revision, Clinical Modification (ICD-9-CM) into 260 clinically meaningful disease categories (ref: [www.ahcpr.gov/data/hcup/ccsfact.htm](http://www.ahcpr.gov/data/hcup/ccsfact.htm)).

In this report diseases were classified also by Body System grouping codes which include the following 18 groups of disease categories:

1. Infectious and parasitic diseases
2. Neoplasms
3. Endocrine, nutritional, metabolic and immune diseases
4. Diseases of the blood and blood-forming organs
5. Mental disorders
6. Diseases of the nervous system and sense organs
7. Diseases of the circulatory system
8. Diseases of the respiratory system
9. Diseases of the digestive system
10. Diseases of the genitourinary system
11. Complication of pregnancy, childbirth, and the puerperium
12. Diseases of the skin and subcutaneous tissue
13. Diseases of the musculoskeletal system and connective tissue
14. Congenital anomalies
15. Perinatal conditions
16. Injury and poisoning
17. Other conditions
18. E codes





# Hospital Inpatient Discharge Data



# APPENDIX 1998 ~ 2000

## Summary of Tables in the Appendix

This section summarizes Louisiana hospital inpatient discharge data for 2000 by parish of patient residence. As opposed to the parish summary section, each parish percentage in this section is derived as a total of all the discharges for a particular diagnosis.

*Table 27 on page 60* illustrates the percentage of Louisiana's top 5 diagnoses by parish. **Livebirth** as the principal diagnosis for hospitalization was most frequent in Jefferson (12.39%), followed by East Baton Rouge (8.65%) and Orleans (7.34%). **Coronary atherosclerosis and other heart disease** occurred most frequently in Jefferson (7.99%), Orleans (6.31%), and Rapides (4.78%); **pneumonia\*** in Jefferson (6.74 %), Orleans (6.57%), and East Baton Rouge (4.81%); **non- hypertensive congestive heart failure** in Orleans (10.68%), Jefferson (9.18%), and Caddo (4.08%); and **nonspecific chest pain** in Jefferson (8.73%), Orleans (7.38), and Caddo (4.57%).

*Table 28 on page 61* illustrates the percentage of Louisiana's top 5 diagnoses resulting in in-hospital death by parish. Each parish percentage is derived from the total of all the statewide discharges for that particular diagnosis resulting in an in-hospital death. Discharges resulting in death and having the principal diagnosis of **pneumonia\*** occurred most frequently in Orleans Parish relative to other parishes (7.48%), while 6.3 % occurred in East Baton Rouge Parish and 5.81% occurred in Jefferson Parish; **acute cerebrovascular disease** in Orleans (8.44%), Jefferson (7.12%), and Caddo (6.88%); **septicemia** (except in labor) in Orleans (9.88%), East Baton Rouge (6.30%), and Rapides (5.19%); **nonhypertensive congestive heart failure** in Jefferson (8.33 %), Orleans (8.20%), and Ouachita (5.05%); and **acute myocardial infarction** in Orleans (9.42%), Jefferson (7.48%), and East Baton Rouge (5.68%).

*Table 29 on page 62* presents percentages of discharge status by year and is the source of data for Chart 4.

*Table 30 on pages 63-67* is, actually, a series of tables depicting the top 3 principal hospital discharge diagnoses for Louisiana parishes. As may be noted, several tables were required to illustrate the changes in the top 3 diagnoses depending on the parish or group of parishes observed. Table 30 provides the source data for Chart 6.

*\*Except that caused by tuberculosis or STDs*

**Table 27. Percent of Louisiana's Top 5 Principal Diagnoses by Parish, Louisiana, 2000**

Parish	Liveborn	Coronary atherosclerosis and other heart disease	Pneumonia (except that caused by tuberculosis or STDs)	Congestive heart failure, nonhypertensive	Nonspecific chest pain
ACADIA	0.68	0.88	1.67	0.96	0.85
ALLEN	0.26	0.32	0.64	0.19	0.23
ASCENSION	2.10	0.42	0.85	0.71	0.70
ASSUMPTION	0.35	0.31	0.41	0.31	0.12
AVOYELLES	1.01	1.07	1.62	1.17	0.61
BEAUREGARD	0.17	0.14	0.13	0.09	0.17
BIENVILLE	0.13	0.27	0.49	0.40	0.41
BOSSIER	2.06	1.39	1.77	1.03	1.55
CADDO	4.42	3.54	3.51	4.08	4.57
CALCASIEU	4.51	2.40	3.27	2.44	3.96
CALDWELL	0.09	0.24	0.10	0.19	0.13
CAMERON	0.15	0.09	0.08	0.07	0.15
CATAHOULA	0.19	0.70	0.29	0.48	0.26
CLAIBORNE	0.11	0.30	0.23	0.23	0.25
CONCORDIA	0.01	0.83	0.46	0.49	0.35
DESOTO	0.41	0.43	0.41	0.23	0.41
EAST BATON ROUGE	8.65	2.15	4.81	3.79	3.92
EAST CARROLL	0.02	0.13	0.09	0.11	0.13
EAST FELICIANA	0.48	0.20	0.69	0.43	0.59
EVANGELINE	0.81	1.37	1.75	1.26	0.65
FRANKLIN	0.16	0.45	0.19	0.32	0.34
GRANT	0.45	0.67	0.65	0.44	0.39
IBERIA	1.96	1.33	0.67	0.85	0.75
IBERVILLE	0.75	0.41	0.63	0.60	0.60
JACKSON	0.06	0.45	0.34	0.42	0.30
JEFFERSON	12.39	7.99	6.74	9.18	8.73
JEFFERSON DAVIS	0.54	0.58	0.77	0.34	0.83
LASALLE	0.31	0.79	0.60	0.54	0.42
LAFAYETTE	5.34	2.97	2.43	2.02	1.41
LAFOURCHE	0.72	1.32	1.48	1.45	1.65
LINCOLN	0.18	0.65	0.85	0.98	0.71
LIVINGSTON	2.34	0.76	1.08	1.21	1.27
MADISON	0.02	0.06	0.04	0.02	0.02
MOREHOUSE	0.15	0.80	0.28	0.48	0.59
NATCHITOCHES	0.29	1.16	1.56	0.62	0.75
ORLEANS	7.34	6.31	6.57	10.68	7.38
OUACHITA	2.33	3.54	3.73	3.97	4.39
PLAQUEMINES	0.77	0.39	0.32	0.62	0.68
POINTE COUPEE	0.53	0.16	0.21	0.20	0.23
RAPIDES	3.36	4.78	3.61	3.23	3.20
RED RIVER	0.36	0.41	1.15	0.44	0.25
RICHLAND	0.25	0.53	0.33	0.31	0.45
SABINE	0.30	0.56	0.66	0.58	0.51
ST. BERNARD	1.43	3.06	2.15	2.79	2.63
ST. CHARLES	1.34	0.62	0.52	0.62	0.61
ST. HELENA	0.12	0.12	0.17	0.15	0.26
ST. JAMES	0.45	0.23	0.20	0.18	0.16
ST. JOHN	1.63	0.72	0.64	0.79	0.62
ST. LANDRY	1.91	3.54	2.81	1.98	1.78
ST. MARTIN	1.35	0.81	0.52	0.67	0.43
ST. MARY	1.65	1.26	0.96	1.04	0.71
ST. TAMMANY	3.00	3.53	2.94	2.92	3.91
TANGIPAHOA	1.76	1.75	1.85	2.69	1.91
TENSAS	0.01	0.14	0.09	0.11	0.12
TERREBONNE	1.19	0.37	1.02	0.77	1.85
UNION	0.26	0.85	0.94	1.05	0.67
VERMILION	1.60	1.16	1.26	1.14	0.73
VERNON	0.63	1.73	1.39	0.76	1.11
WASHINGTON	0.17	1.57	0.78	0.82	0.49
WEBSTER	0.41	0.89	0.92	0.99	0.71
WEST BATON ROUGE	0.49	0.19	0.22	0.23	0.25
WEST CARROLL	0.06	0.27	0.09	0.15	0.17
WEST FELICIANA	0.24	0.05	0.35	0.14	0.11
WINN	0.17	0.74	1.32	0.43	0.61
Total # of Discharges by Diagnosis	38785	19605	19155	16417	9887
Total % of Discharges by Diagnosis	100.00	100.00	100.00	100.00	100.00



**Table 28. Percent of Louisiana's Top 5 Principal Diagnoses Resulting in In-hospital Death by Parish, Louisiana, 2000**

Parish	Pneumonia (except that caused by tuberculosis or STDs)	Acute cerebrovascular disease	Septicemia (except in labor)	Congestive heart failure, nonhypertensive	Acute myocardial infarction
ACADIA	1.28	1.09	0.74	1.50	1.11
ALLEN	0.30	0.00	0.86	0.27	0.14
ASCENSION	0.98	0.72	0.37	0.14	0.42
ASSUMPTION	0.10	0.60	0.49	0.14	0.69
AVOYELLES	2.95	1.21	1.60	1.64	1.11
BEAUREGARD	0.10	0.00	0.12	0.14	0.14
BIENVILLE	0.30	0.12	0.25	0.41	0.14
BOSSIER	2.07	1.93	1.36	1.09	1.94
CADDO	4.63	6.88	4.57	4.37	4.85
CALCASIEU	1.57	2.53	2.59	3.42	2.35
CALDWELL	0.10	0.12	0.00	0.27	0.00
CAMERON	0.10	0.12	0.12	0.00	0.14
CATAHOULA	0.30	0.24	0.25	0.41	0.14
CLAIBORNE	0.39	0.72	0.49	0.27	0.55
CONCORDIA	0.39	0.24	0.37	0.68	0.42
DESOTO	0.20	0.60	0.00	0.41	0.28
EAST BATON ROUGE	6.30	4.83	6.30	3.28	5.68
EAST CARROLL	0.20	0.24	0.12	0.14	0.28
EAST FELICIANA	0.69	0.60	0.74	0.14	0.55
EVANGELINE	1.28	1.57	1.85	0.82	0.83
FRANKLIN	0.30	0.48	0.37	0.96	0.42
GRANT	0.98	0.72	0.74	0.68	0.14
IBERIA	0.98	0.36	1.11	1.09	0.69
IBERVILLE	0.59	0.48	0.74	0.55	1.25
JACKSON	0.30	0.12	0.37	0.68	0.28
JEFFERSON	5.81	7.12	4.81	8.33	7.48
JEFFERSON DAVIS	0.30	0.24	0.37	0.27	0.28
LASALLE	0.49	0.72	0.12	0.27	0.55
LAFAYETTE	3.35	3.14	2.72	2.60	2.49
LAFOURCHE	1.67	1.21	1.60	1.50	0.42
LINCOLN	1.48	2.05	1.85	0.55	1.11
LIVINGSTON	0.69	0.60	0.74	1.50	1.39
MADISON	0.00	0.12	0.12	0.00	0.00
MOREHOUSE	0.10	0.36	0.74	0.68	0.42
NATCHITOCHE	0.79	0.36	0.62	0.41	0.55
ORLEANS	7.48	8.44	9.88	8.20	9.42
OUACHITA	5.12	3.26	4.44	5.05	5.12
PLAQUEMINES	0.30	0.36	0.12	0.68	0.28
POINTE COUPEE	0.30	0.36	0.12	0.00	0.28
RAPIDES	4.53	3.98	5.19	4.23	3.74
RED RIVER	0.49	0.12	0.74	0.82	0.42
RICHLAND	0.49	0.48	0.25	0.27	0.42
SABINE	0.49	0.48	0.25	0.68	0.55
ST. BERNARD	3.15	1.81	2.84	3.42	2.08
ST. CHARLES	0.69	0.60	0.74	0.55	1.11
ST. HELENA	0.10	0.24	0.12	0.27	0.42
ST. JAMES	0.20	0.12	0.12	0.14	0.28
ST. JOHN	1.38	1.81	1.11	0.55	1.11
ST. LANDRY	2.95	3.14	3.70	2.87	1.66
ST. MARTIN	0.10	1.09	0.62	0.82	1.11
ST. MARY	1.67	1.45	0.86	0.82	0.42
ST. TAMMANY	2.07	2.05	1.36	2.87	3.32
TANGIPAHOA	1.48	2.77	1.85	3.01	2.35
TENSAS	0.20	0.36	0.37	0.00	0.00
TERREBONNE	0.98	0.72	0.74	0.68	0.97
UNION	0.79	0.48	0.62	1.09	1.25
VERMILION	1.08	0.48	0.86	1.37	1.11
VERNON	0.98	0.84	1.23	0.82	0.97
WASHINGTON	0.89	0.84	0.49	0.96	0.83
WEBSTER	0.89	0.48	1.36	0.68	1.11
WEST BATON ROUGE	0.30	0.12	0.62	0.14	0.14
WEST CARROLL	0.00	0.24	0.12	0.41	0.55
WEST FELICIANA	0.30	0.00	0.00	0.00	0.28
WINN	1.48	0.36	0.74	0.27	0.42
Total # of In-hospital death by Diagnosis	1016	829	810	732	722
Total % of In-hospital death by Diagnosis	100.00	100.00	100.00	100.00	100.00

**Table 29. Number and Percentage of Discharges by Status and Year,  
Louisiana, 1998 - 2000**

Discharge Status	1998		1999		2000	
	Number	%	Number	%	Number	%
Discharged to home or self care (routine discharge)	380161	80.60	378359	79.33	400803	79.18
Long-term care & other facilities	51037	10.82	53480	11.21	56160	11.09
Home Health Care	17619	3.74	20641	4.33	23569	4.66
In-hospital Deaths	11265	2.39	11256	2.36	11566	2.28
Another Short-term Hospital	8404	1.78	9981	2.09	9781	1.93
Left against medical advice or discontinued care	2395	0.51	2383	0.50	3324	0.66
Other / Unknown	755	0.16	856	0.18	1011	0.20
Total Discharge Status	471636	100.00	476956	100.00	506214	100.00

**Table 30. Top 3 Principal Hospital Discharge Diagnoses counts and Percent by Parish\*, Louisiana, 2000**

Parish	Liveborn		Pneumonia (except that caused by tuberculosis or STDs)		Coronary atherosclerosis and other heart disease		All discharges
	# of discharges	% of all discharges	# of discharges	% of discharges	# of discharges	% of all discharges	Total #
ALLEN	101	7.45	123	9.08	63	4.65	1355
ASSUMPTION	137	8.02	79	4.63	60	3.51	1708
AVOYELLES	391	8.38	311	6.66	209	4.48	4667
BEAUREGARD	65	10.42	***	3.85	***	4.33	624
BOSSIER	800	9.89	340	4.20	273	3.38	8087
CADDO	1713	7.42	673	2.91	694	3.00	23099
CALCASIEU	1750	11.81	627	4.23	471	3.18	14822
DESOTO	159	7.84	78	3.85	84	4.14	2027
EVANGELINE	315	5.27	335	5.61	269	4.50	5972
GRANT	174	8.31	125	5.97	132	6.30	2095
JEFF DAVIS	210	7.44	147	5.21	113	4.00	2822
LASALLE	122	6.65	114	6.22	155	8.45	1834
LAFAYETTE	2070	13.46	466	3.03	582	3.79	15375
LAFOURCHE	278	4.94	284	5.05	258	4.59	5626
NATCHITOCHES	111	3.07	299	8.26	227	6.27	3621
OUACHITA	902	5.04	714	3.99	694	3.88	17890
RAPIDES	1302	8.17	692	4.34	938	5.89	15933
RICHLAND	96	5.54	64	3.69	104	6.00	1734
SABINE	115	5.14	126	5.63	110	4.92	2238
ST. JAMES	174	15.41	39	3.45	45	3.99	1129
ST. LANDRY	742	6.60	539	4.79	694	6.17	11241
ST. MARY	639	11.04	184	3.18	247	4.27	5787
ST. TAMMANY	1164	8.23	563	3.98	692	4.89	14150
VERMILION	622	10.28	241	3.98	227	3.75	6050
VERNON	246	5.48	267	5.95	339	7.56	4487

\*\*\*means value < 30

Parish	Liveborn		Coronary atherosclerosis and other heart disease		Congestive heart failure, non- hypertensive		All discharges
	# of discharges	% of all discharges	# of discharges	% of all discharges	# of discharges	% of all discharges	Total #
CALDWELL	33	4.27	47	6.09	31	4.02	772
CATAHOULA	72	4.95	137	9.41	78	5.36	1456
FRANKLIN	63	4.13	89	5.84	52	3.41	1524
JEFFERSON	4804	11.41	1567	3.72	1507	3.58	42103
PLAQUEMINES	300	12.71	76	3.22	102	4.32	2361
ST. BERNARD	555	5.81	600	6.28	458	4.79	9555
ST. CHARLES	519	13.74	122	3.23	102	2.70	3777
ST. JOHN	632	14.91	142	3.35	130	3.07	4238
ST. MARTIN	524	13.01	159	3.95	110	2.73	4029

\* Parishes are grouped by same top 3 principal hospital discharge diagnoses

**Table 30. (Cont.) Top 3 Principal Hospital Discharge Diagnoses counts and Percent by Parish\*, Louisiana, 2000**

Parish	Pneumonia (except that caused by tuberculosis or STDs)		Coronary atherosclerosis and other heart disease		Congestive heart failure, non- hypertensive		All discharges
	# of discharges	% of all discharges	# of discharges	% of all discharges	# of discharges	% of all discharges	Total #
BIENVILLE	94	6.55	53	3.69	65	4.53	1435
CONCORDIA	88	6.51	163	12.06	81	5.99	1352
E CARROLL	***	3.54	***	4.91	***	3.54	509
JACKSON	65	4.20	89	5.75	69	4.45	1549
LINCOLN	162	3.99	127	3.13	161	3.96	4063
TENSAS	***	4.25	***	7.00	***	4.50	400
UNION	180	4.54	166	4.19	172	4.34	3965
WEBSTER	177	3.83	175	3.78	163	3.52	4627

\*\*\*means value < 30

Parish	Liveborn		Pneumonia (except that caused by tuberculosis or STDs)		Other complications of birth and the puerperium		All discharges
	# of discharges	% of all discharges	# of discharges	% of all discharges	# of discharges	% of all discharges	Total #
ASCENSION	816	17.34	163	3.46	177	3.76	4705
E BATON ROUGE	3356	13.24	921	3.63	782	3.09	25347
LIVINGSTON	909	14.68	207	3.34	204	3.29	6193
POINTE COUPEE	204	14.87	41	2.99	43	3.13	1372
W BATON ROUGE	189	13.39	43	3.05	48	3.40	1411

Parish	Liveborn		Congestive heart failure, non-hypertensive		Pneumonia (except that caused by tuberculosis or STDs)		All discharges
	# of discharges	% of all discharges	# of discharges	% of all discharges	# of discharges	% of all discharges	Total #
IBERVILLE	291	10.82	99	3.68	121	4.50	2690
ORLEANS	2847	6.84	1754	4.21	1258	3.02	41614
TANGIPAHOA	681	6.77	441	4.39	355	3.53	10052

Parish	Pneumonia (except that caused by tuberculosis or STDs)		Liveborn		Fluid and electrolyte disorders		All discharges
	# of discharges	% of all discharges	# of discharges	% of all discharges	# of discharges	% of all discharges	Total #
ACADIA	319	6.17	263	5.09	198	3.83	5168
RED RIVER	220	10.20	141	6.54	117	5.42	2157

\* Parishes are grouped by same top 3 principal hospital discharge diagnoses

**Table 30. (Cont.) Top 3 Principal Hospital Discharge Diagnoses counts and Percent by Parish, Louisiana, 2000**

	Liveborn		Cardiac dysrhythmias		Coronary atherosclerosis and other heart disease		All discharges
	# of discharges	% of all discharges	# of discharges	% of all discharges	# of discharges	% of all discharges	Total #
<b>Parish</b>							
CAMERON	57	11.54	***	4.25	***	3.44	494

\*\*\* means value < 30

	Coronary atherosclerosis and other heart disease		Complication of device, implant or graft		Pneumonia (except that caused by tuberculosis or STDs)		All discharges
	# of discharges	% of all discharges	# of discharges	% of all discharges	# of discharges	% of all discharges	Total #
<b>Parish</b>							
CLAIBORNE	59	4.26	49	3.54	45	3.25	1384

	Liveborn		Pneumonia (except that caused by tuberculosis or STDs)		Acute cerebrovascular disease		All discharges
	# of discharges	% of all discharges	# of discharges	% of all discharges	# of discharges	% of all discharges	Total #
<b>Parish</b>							
E FELICIANA	188	8.45	133	5.98	75	3.37	2225

	Liveborn		Coronary atherosclerosis and other heart disease		Affective disorders		All discharges
	# of discharges	% of all discharges	# of discharges	% of all discharges	# of discharges	% of all discharges	Total #
<b>Parish</b>							
IBERIA	759	14.94	261	5.14	166	3.27	5081

**Table 30. (Cont.) Top 3 Principal Hospital Discharge Diagnoses counts and Percent by Parish, Louisiana, 2000**

Parish	Schizophrenia and related disorders		Coronary atherosclerosis and other heart disease		Acute cerebrovascular disease		All discharges
	# of discharges	% of all discharges	# of discharges	% of all discharges	# of discharges	% of all discharges	Total #
MADISON	12	4.35	***	3.99	***	3.62	276

\*\*\*means value < 30

Parish	Coronary atherosclerosis and other heart disease		Congestive heart failure, non-hypertensive		Affective disorders		All discharges
	# of discharges	% of all discharges	# of discharges	% of all discharges	# of discharges	% of all discharges	Total #
MOREHOUSE	157	6.65	79	3.35	69	2.92	2360

Parish	Liveborn		Pneumonia (except that caused by tuberculosis or STDs)		Non-specific chest pain		All discharges
	# of discharges	% of all discharges	# of discharges	% of all discharges	# of discharges	% of all discharges	Total #
ST. HELENA	46	5.98	33	4.29	***	3.38	769

\*\*\*means value < 30

Parish	Liveborn		Affective disorders		Pneumonia (except that caused by tuberculosis or STDs)		All discharges
	# of discharges	% of all discharges	# of discharges	% of all discharges	# of discharges	% of all discharges	Total #
TERREBONNE	463	9.34	273	5.51	195	3.93	4956

**Table 30. (Cont.) Top 3 Principal Hospital Discharge Diagnoses counts and Percent by Parish, Louisiana, 2000**

Parish	Coronary atherosclerosis and other heart disease		Pneumonia (except that caused by tuberculosis or STDs)		Chronic obstructive pulmonary disease and bronchiectasis		All discharges
	# of discharges	% of all discharges	# of discharges	% of all discharges	# of discharges	% of all discharges	Total #
WASHINGTON	307	8.49	150	4.15	139	3.84	3617

Parish	Coronary atherosclerosis and other heart disease		Acute myocardial infarction		Cardiac dysrhythmias		All discharges
	# of discharges	% of all discharges	# of discharges	% of all discharges	# of discharges	% of all discharges	Total #
W CARROLL	52	6.50	39	4.88	***	3.50	800

\*\*\*means value < 30

Parish	Liveborn		Pneumonia (except that caused by tuberculosis or STDs)		Urinary tract infections		All discharges
	# of discharges	% of all discharges	# of discharges	% of all discharges	# of discharges	% of all discharges	Total #
W FELICIANA	93	11.44	68	8.36	***	3.57	813

\*\*\*means value < 30

Parish	Pneumonia (except that caused by tuberculosis or STDs)		Coronary atherosclerosis and other heart disease		Urinary tract infections		All discharges
	# of discharges	% of all discharges	# of discharges	% of all discharges	# of discharges	% of all discharges	Total #
WINN	253	9.94	145	5.70	74	2.91	2546



# Hospital Inpatient Discharge Data



# GLOSSARY



## Glossary

The following terms are related to LAHIDD. Some of them may not appear in this report.

Admit - A patient admitted to a health care facility for inpatient care or outpatient service.

Admitting Diagnosis - The ICD-9-CM diagnosis code provided at the time of admission as stated by the physician.

Assisted Living - A type of living arrangement in which personal care services such as meals, housekeeping, transportation, and assistance with activities of daily living are available as needed to people who live on their own in a residential facility. In most cases, the “assisted living” residents pay a regular monthly rent. Then, they typically pay additional fees for the services they get.

CHAMPUS - See TRICARE

Comorbidities - Coexisting medical problems that are listed as other diagnoses and are not directly related to the principal diagnosis.

Confidential information - That information defined as confidential by statute which includes, but is not limited to:

- Employer identifiers, facility identifiers, patient or insured identifiers, payer identifiers, or physician or other service provider identifiers;
- Information identified by the identifiers;
- Combinations of data categories derived from part or all hospital discharge database information that would identify or tend to identify an employer, facility, patient or insured person, payer, or physician or other service provider; and
- Information identified by combinations of these data categories.

Covered Benefit - A health service or item that is included in a health plan, and that is paid for either partially or fully.

Covered Charges - Services or benefits for which a health plan makes either partial or full payment.

Covered Days -The number of days covered by the primary payer, as qualified by the payer organization.

Custodial Care - Nonskilled, personal care, such as help with activities of daily living like bathing, dressing, eating, getting in and out of bed or chair, moving around, and using the bathroom, It may also include care that most people do themselves, like using eye drops.

Database - A structured repository of data, consisting of one or more related structured data tables.

Data Element - A logical field of a data record or a column of a data table, which includes both the named data elements in this rule, and any other data elements obtained or created by analytic or synthetic methods. Examples: Discharge year, age group, sex, and disease group.

Data Record - The row of a data table, or the set of related rows from related tables in a database.

Data Set - A structured set or subset of data from a database.

Discharge - The release of a patient from a hospital or clinic, or the moving of a patient from one level of care to another. It may include moves from a hospital to a nursing home or to home care.

Discharge Date - Date that a patient was discharged from inpatient care.

External Cause of Injury (E-Code) - The ICD-9-CM code which describes the external cause of an injury, poisoning, or adverse effect.

Health Care Provider - A person who is trained and licensed to provide health care. Also, an institution or establishment licensed to provide health care. Physicians, nurses, hospitals, skilled nursing facilities, some assisted living facilities, and certain kinds of home health agencies are examples of health care providers.

Health insurance - Insurance providing coverage of medical, surgical, or hospital care in general or for which there is no specific heading.

Hospital - Any institution, place, building or agency, public or private, whether organized for profit or not-for-profit, which is subject to licensure as a hospital by the Louisiana Department of Health and Hospitals.

Hospital Discharge Information - All billing, medical, and personal information describing a patient, the services received, and charges billed, associated with a single inpatient hospital stay, including all elements of the Uniform Billing form, UB 92.

Hospital Discharge (Data) Record - A structured document, in paper or electronic form, of all the UB 92 data for a single hospital stay, or the data content of that document. This often will include more than one data record.

Hospital Stay or Inpatient Hospital Stay - The period, activities, events, and conditions associated with a patient, from the time of admission to a hospital, to the time of discharge from that hospital.

Insurance - Coverage by contract whereby one part indemnifies or guarantees another against loss by a specified contingency.

Intermediary - A data processing agent of a hospital, who is contracted or employed by that hospital to relay their Hospital Discharge Records to OPH in compliance with these rules.

Long-term Care - A level of care in which people are assisted with health or personal needs and activities of daily living over a period of time. Long-term care can be provided at home, in the community, or in various types of facilities, including nursing homes and assisted living facilities. Most long-term care is custodial care.

Medicaid - A Federal-State health insurance program for certain low-income and needy people. It covers approximately 36 million individuals including children, the aged, blind, and/or disabled, and people who are eligible to receive federally assisted income maintenance payments.

Medicare - A federal health insurance program for people 65 years of age or older, certain younger people with disabilities, and people with End-Stage Renal Disease (permanent kidney failure with dialysis or a transplant, sometimes called ESRD).

No charge - Medical service for which no payment is due. Examples include: Free, Charity, Special Research or Teaching charges.

Non-covered Days - Days of care not covered by the primary payer.

Other Diagnosis codes - The ICD-9-CM diagnosis codes corresponding to an additional condition that co-exists at the time of admission or develops subsequently, and which have an effect on the treatment or the length of stay.

Patient - An individual awaiting or under medical care and treatment.

Patient or Insured Identifier- Patient name, insured's name, patient address or insured's address (especially including P.O.Box or street address, but not city, 5 digit Zip Code, or State), patient control number, social security number, medical record number, health insurance claim identification number, or information that would identify or tend to identify an individual patient or insured person under whom the patient may be covered.

Payment received - The amount the patient has paid to the provider towards this bill.

Payor Identifier - The payor name, payor identification, insured group name, insured group number, or other information that could identify a payor.

Primary Payer - An insurance policy, plan, or program that pays first on a claim for medical care. This could be Medicare or other health insurance. The patient provides this information at the time of admission.

Principal diagnosis - The main medical reason for admission to the hospital.

Principal Diagnosis Code - The ICD-9-CM diagnosis code describing the principal diagnosis leading to the admission (or the condition established after study to be chiefly responsible for causing this hospitalization).

Private Insurer provider - Insurer other than government-sponsored programs such as Medicaid, Medicare, and TRICARE. Examples: Blue Cross/Blue Shield, HMO, other insurance companies and the self-insured.

Procedure - Something done to fix a health problem or to learn more about it. Examples: surgery, tests, and putting in an intravenous line.

Release – A conditional distribution of hospital discharge information for purposes authorized by the statute or its corresponding rules.

Secure Information – That information which is not subject to release by OPH or any other research panel for any purpose. Secure information includes patient and insured identifiers.

Submit – To deliver, or to cause to be delivered, to the Office Of Public Health, in the form and format specified, by the close of business on the prescribed date (with respect to a submission date, and data, report, surveys, statements or documents required to be submitted to the Louisiana OPH.

TRICARE (formerly called CHAMPUS) - The U.S. government's health insurance program for members of the seven uniformed services, including active duty members of the military, military retirees, and their eligible dependents.

Uncompensated care - Medical services for which no payment is received. Uncompensated care includes charity care and bad debts.

Uninsured patient - A patient who does not have any health insurance. He will either self-pay or receive health care services free of charge.

Workers Compensation - Insurance or self insurance that employers are required to carry to cover the medical expenses and lost wages of employees who become ill or are injured at work.

#### SOURCE:

Louisiana Register, Vol.24, No. 10, October 20, 1998

Health care financing Administration ([www.hcfa.gov/medicare.gov/glossary](http://www.hcfa.gov/medicare.gov/glossary))

Uniform Billing Training Manual –UB-92, Addendum B, Alphabetic listing of data elements, B1-B19.

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**UNIFORM BILL:****NOTICE: ANYONE WHO MISREPRESENTS OR FALSIFIES ESSENTIAL INFORMATION REQUESTED BY THIS FORM MAY UPON CONVICTION BE SUBJECT TO FINE AND IMPRISONMENT UNDER FEDERAL AND/OR STATE LAW.**

Certifications relevant to the Bill and Information Shown on the Face Hereof: Signatures on the face hereof incorporate the following certifications or verifications where pertinent to this Bill:

1. If third party benefits are indicated as being assigned or in participation status, on the face thereof, appropriate assignments by the insured/beneficiary and signature of patient or parent or legal guardian covering authorization to release information are on file. Determinations as to the release of medical and financial information should be guided by the particular terms of the release forms that were executed by the patient or the patient's legal representative. The hospital agrees to save harmless, indemnify and defend any insurer who makes payment in reliance upon this certification, from and against any claim to the insurance proceeds when in fact no valid assignment of benefits to the hospital was made.
2. If patient occupied a private room or required private nursing for medical necessity, any required certifications are on file.
3. Physician's certifications and re-certifications, if required by contract or Federal regulations, are on file.
4. For Christian Science Sanitoriums, verifications and if necessary re-verifications of the patient's need for sanitorium services are on file.
5. Signature of patient or his/her representative on certifications, authorization to release information, and payment request, as required be Federal law and regulations (42 USC 1935f, 42 CFR 424.36, 10 USC 1071 thru 1086, 32 CFR 199) and, any other applicable contract regulations, is on file.
6. This claim, to the best of my knowledge, is correct and complete and is in conformance with the Civil Rights Act of 1964 as amended. Records adequately disclosing services will be maintained and necessary information will be furnished to such governmental agencies as required by applicable law.
7. For Medicare purposes:

If the patient has indicated that other health insurance or a state medical assistance agency will pay part of his/her medical expenses and he/she wants information about his/her claim released to them upon their request, necessary authorization is on file. The patient's signature on the provider's request to bill Medicare authorizes any holder of medical and non-medical information, including employment status, and whether the person has employer group health insurance, liability, no-fault, workers' compensation, or other insurance which is responsible to pay for the services for which this Medicare claim is made.

8. For Medicaid purposes:

This is to certify that the foregoing information is true, accurate, and complete.

I understand that payment and satisfaction of this claim will be from Federal and State funds, and that any false claims, statements, or documents, or concealment of a material fact, may be prosecuted under applicable Federal or State Laws.

9. For CHAMPUS purposes:

This is to certify that:

- (a) the information submitted as part of this claim is true, accurate and complete, and, the services shown on this form were medically indicated and necessary for the health of the patient;
- (b) the patient has represented that by a reported residential address outside a military treatment center catchment area he or she does not live within a catchment area of a U.S. military or U.S. Public Health Service medical facility, or if the patient resides within a catchment area of such a facility, a copy of a Non-Availability Statement (DD Form 1251) is on file, or the physician has certified to a medical emergency in any assistance where a copy of a Non-Availability Statement is not on file;
- (c) the patient or the patient's parent or guardian has responded directly to the provider's request to identify all health insurance coverages, and that all such coverages are identified on the face the claim except those that are exclusively supplemental payments to CHAMPUS-determined benefits;
- (d) the amount billed to CHAMPUS has been billed after all such coverages have been billed and paid, excluding Medicaid, and the amount billed to CHAMPUS is that remaining claimed against CHAMPUS benefits;
- (e) the beneficiary's cost share has not been waived by consent or failure to exercise generally accepted billing and collection efforts; and,
- (f) any hospital-based physician under contract, the cost of whose services are allocated in the charges included in this bill, is not an employee or member of the Uniformed Services. For purposes of this certification, an employee of the Uniformed Services is an employee, appointed in civil service (refer to 5 USC 2105), including part-time or intermittent but excluding contract surgeons or other personnel employed by the Uniformed Services through personal service contracts. Similarly, member of the Uniformed Services does not apply to reserve members of the Uniformed Services not on active duty.
- (g) based on the Consolidated Omnibus Budget Reconciliation Act of 1986, all providers participating in Medicare must also participate in CHAMPUS for inpatient hospital services provided pursuant to admissions to hospitals occurring on or after January 1, 1987.
- (h) if CHAMPUS benefits are to be paid in a participating status, I agree to submit this claim to the appropriate CHAMPUS claims processor as a participating provider. I agree to accept the CHAMPUS-determined reasonable charge as the total charge for the medical services or supplies listed on the claim form. I will accept the CHAMPUS-determined reasonable charge even if it is less than the billed amount, and also agree to accept the amount paid by CHAMPUS, combined with the cost-share amount and deductible amount, if any, paid by or on behalf of the patient as full payment for the listed medical services or supplies. I will make no attempt to collect from the patient (or his or her parent or guardian) amounts over the CHAMPUS-determined reasonable charge. CHAMPUS will make any benefits payable directly to me, if I submit this claim as a participating provider.

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**ESTIMATED CONTRACT BENEFITS**



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